T06001 99020660

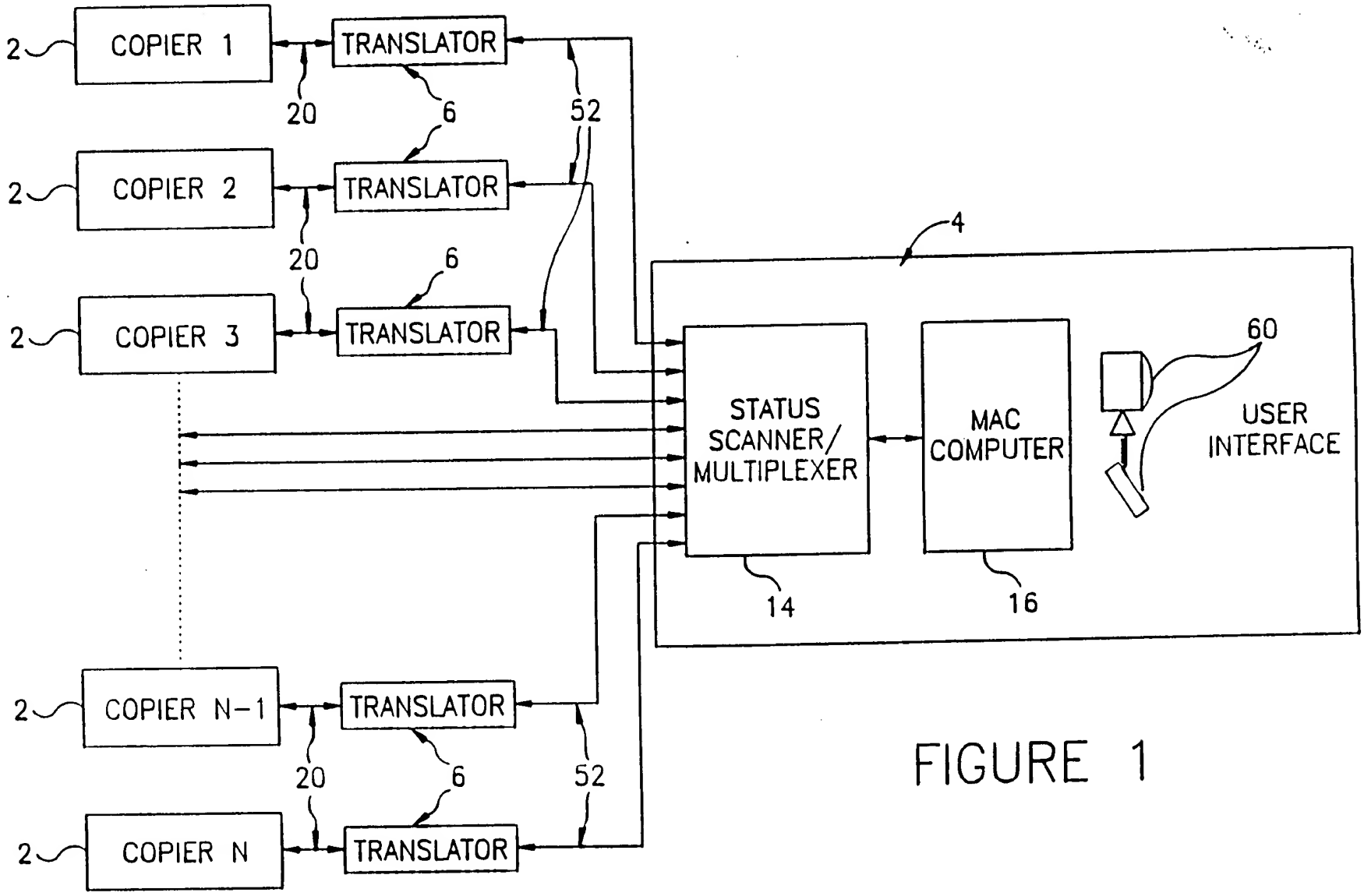


FIGURE 1

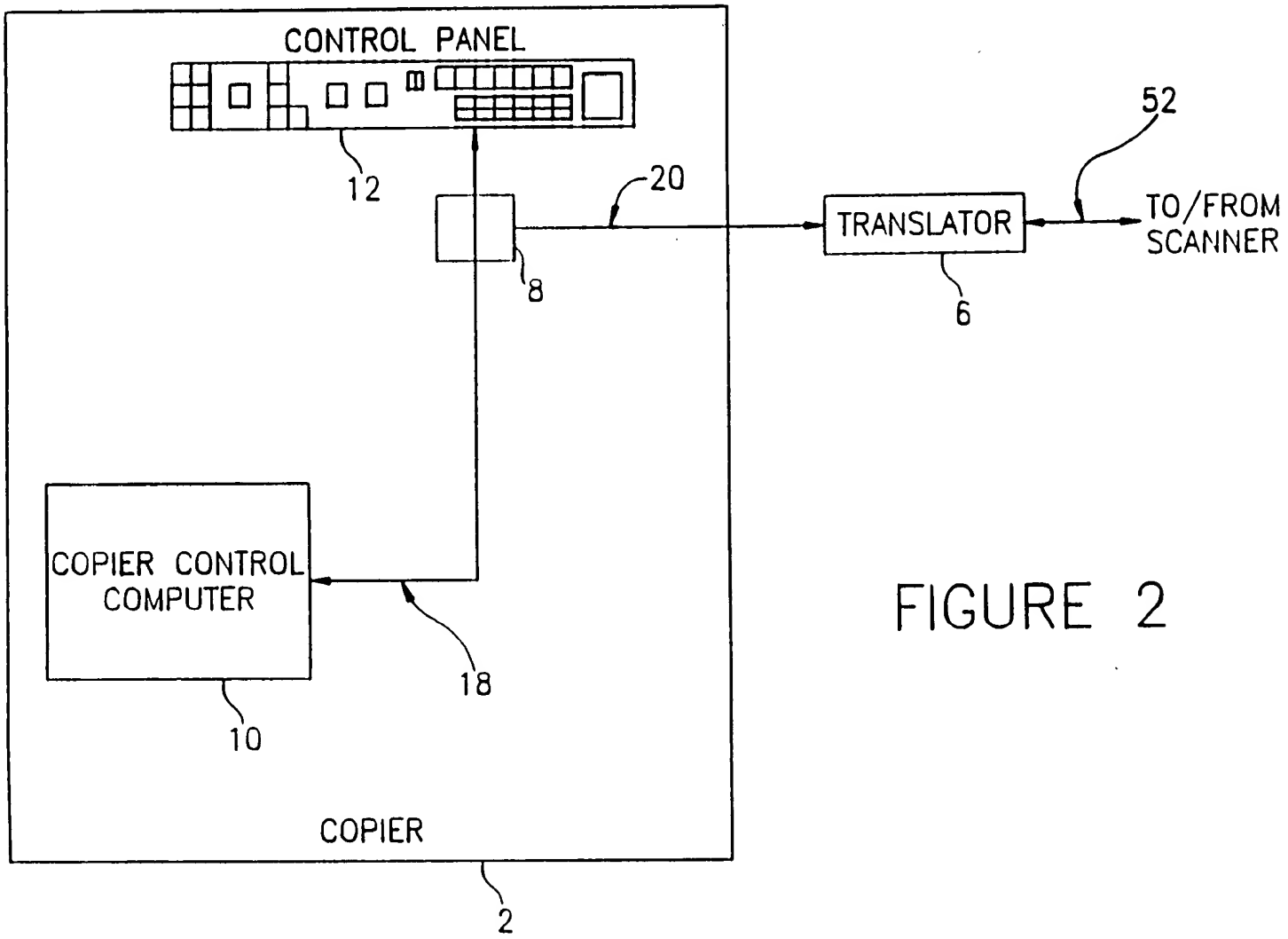

CONTROL PANEL
12
20
52
TRANSLATOR
TO/FROM
SCANNER
8
6
COPIER CONTROL
COMPUTER
18
10
COPIER
2

FIGURE 2

"EP0600E" 99020660

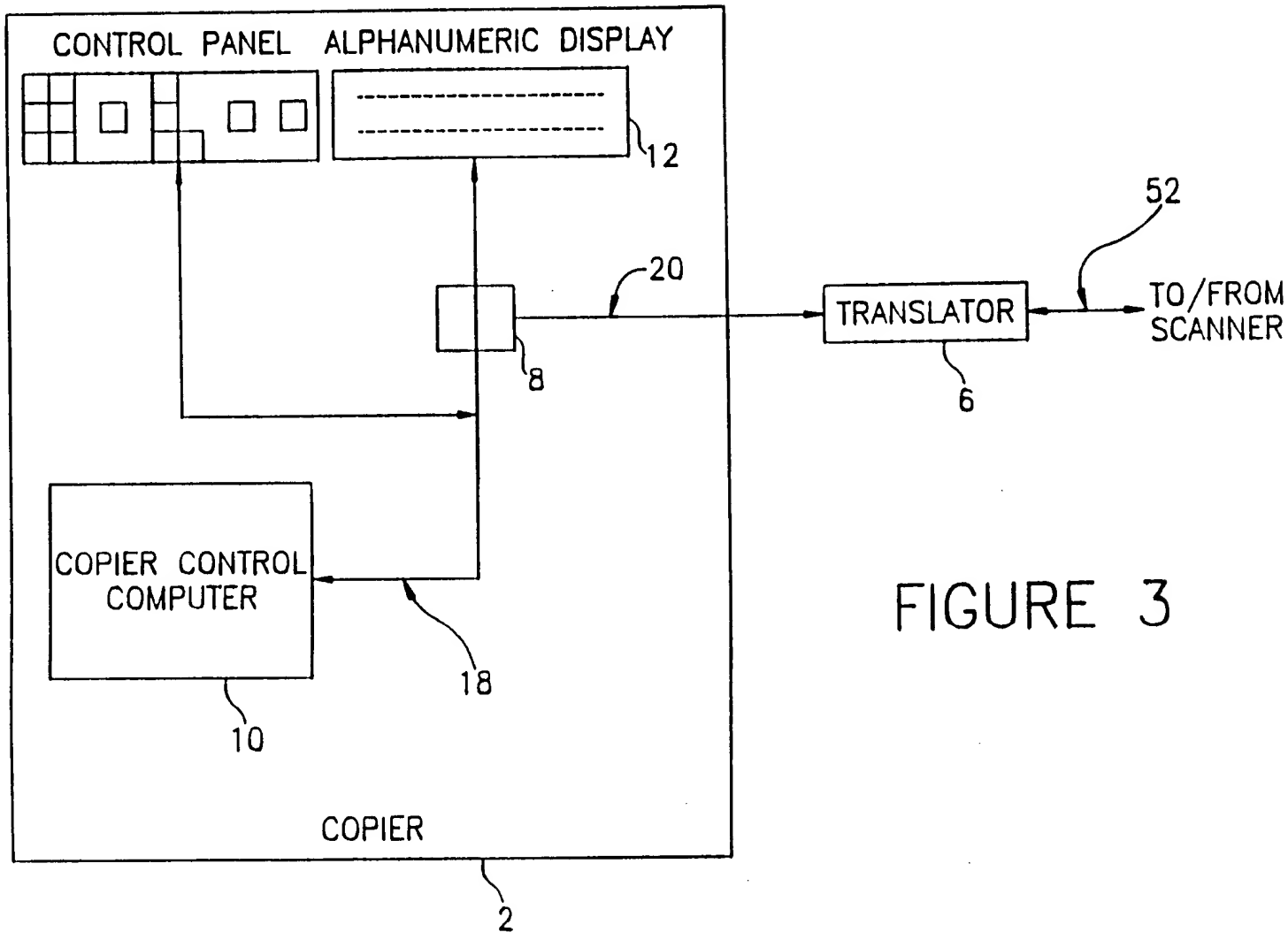


FIGURE 3

T0600T"99020660

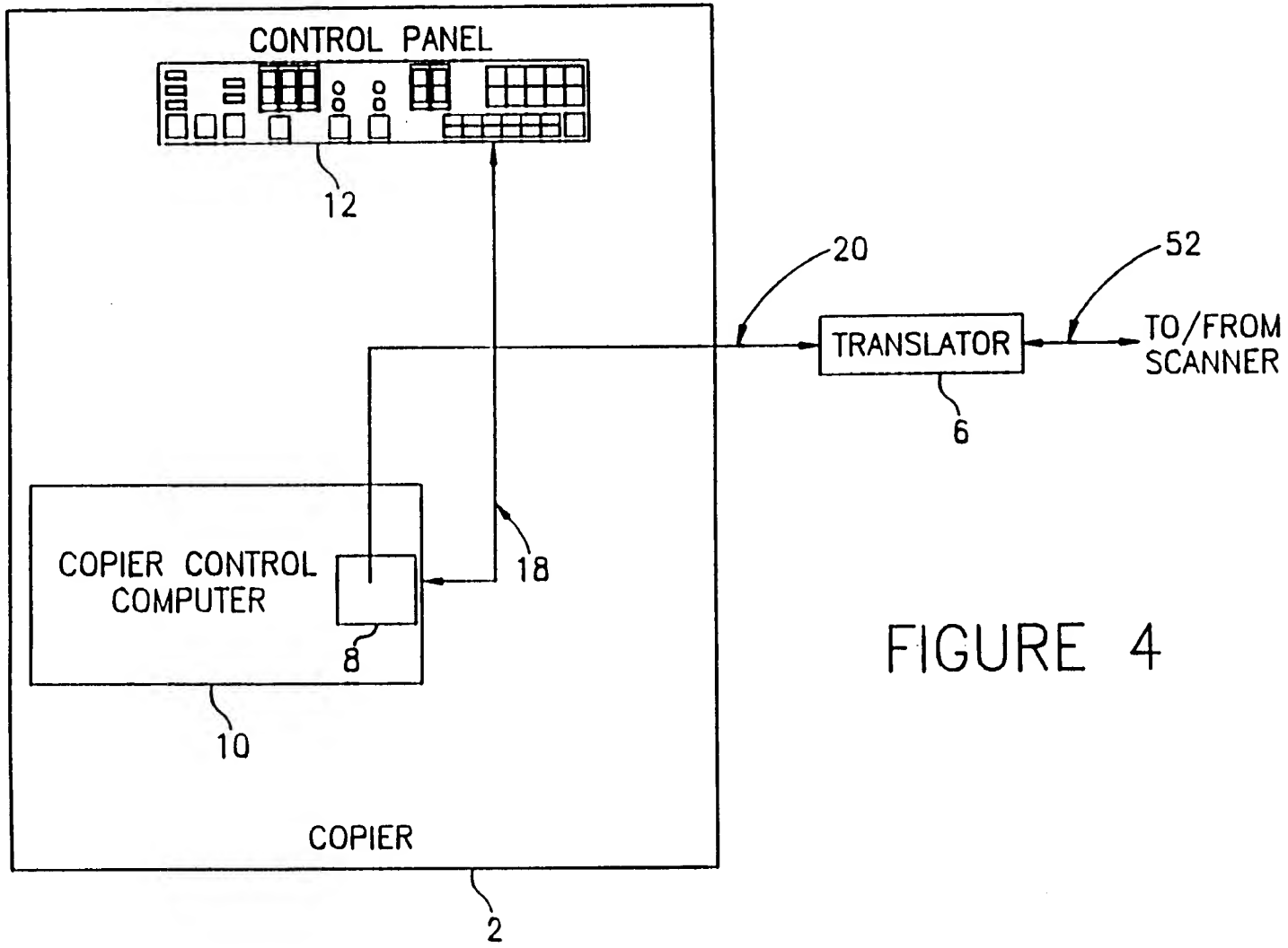


FIGURE 4

Page 9 of 14 - 09/902,056

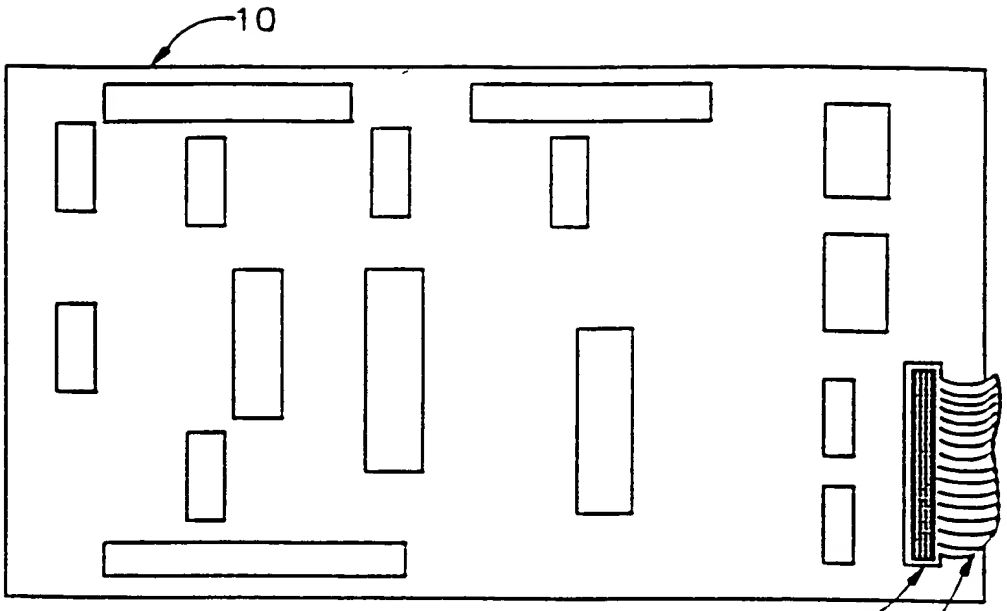


FIGURE 5a

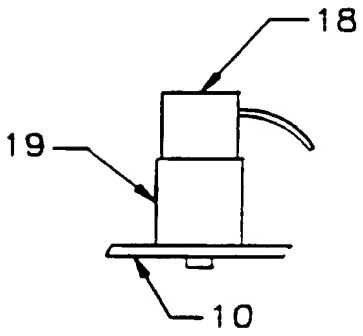


FIGURE 5b

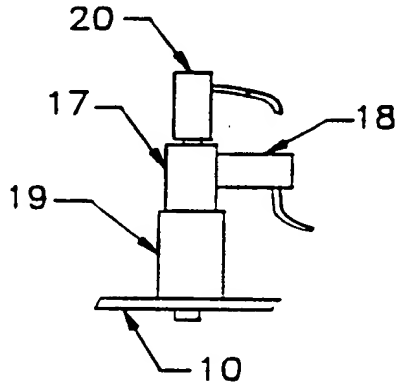


FIGURE 5c

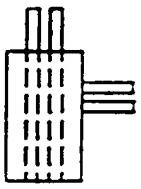


FIGURE 5d

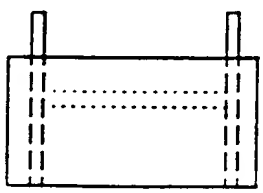


FIGURE 5e

T0600T-9902060

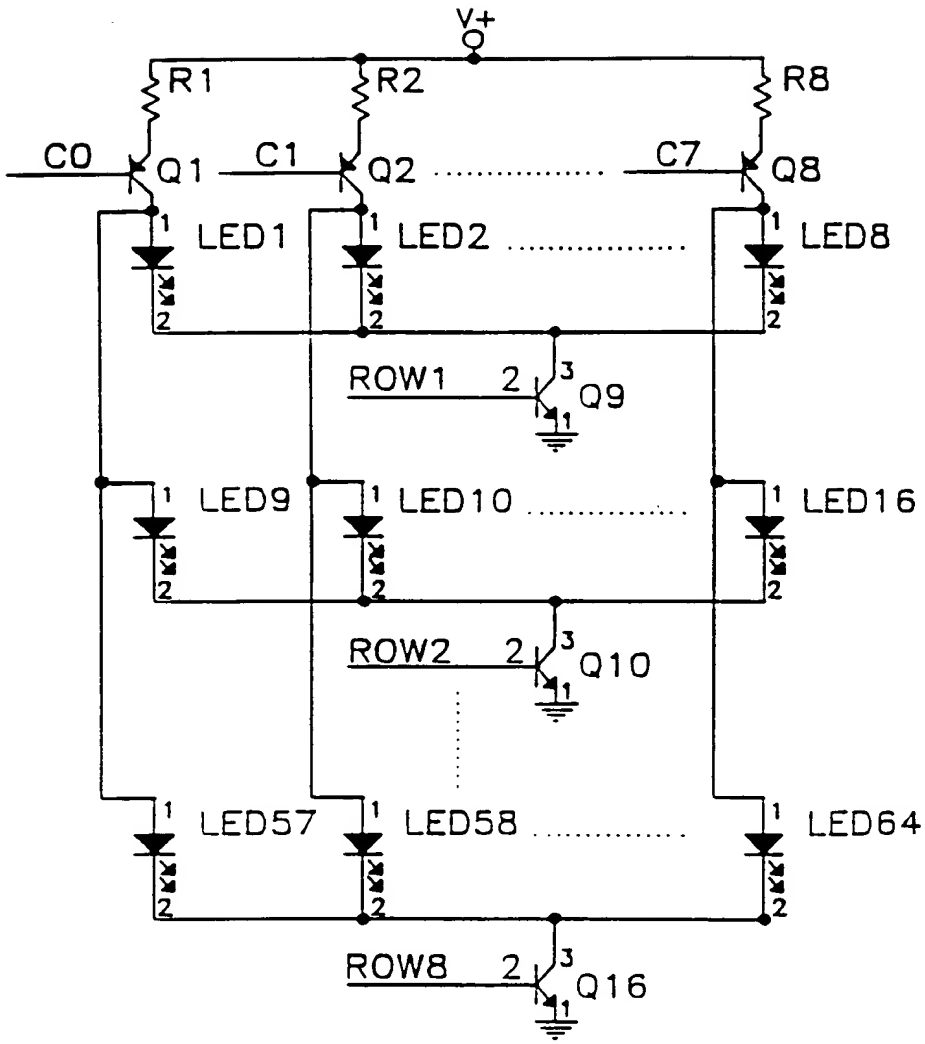
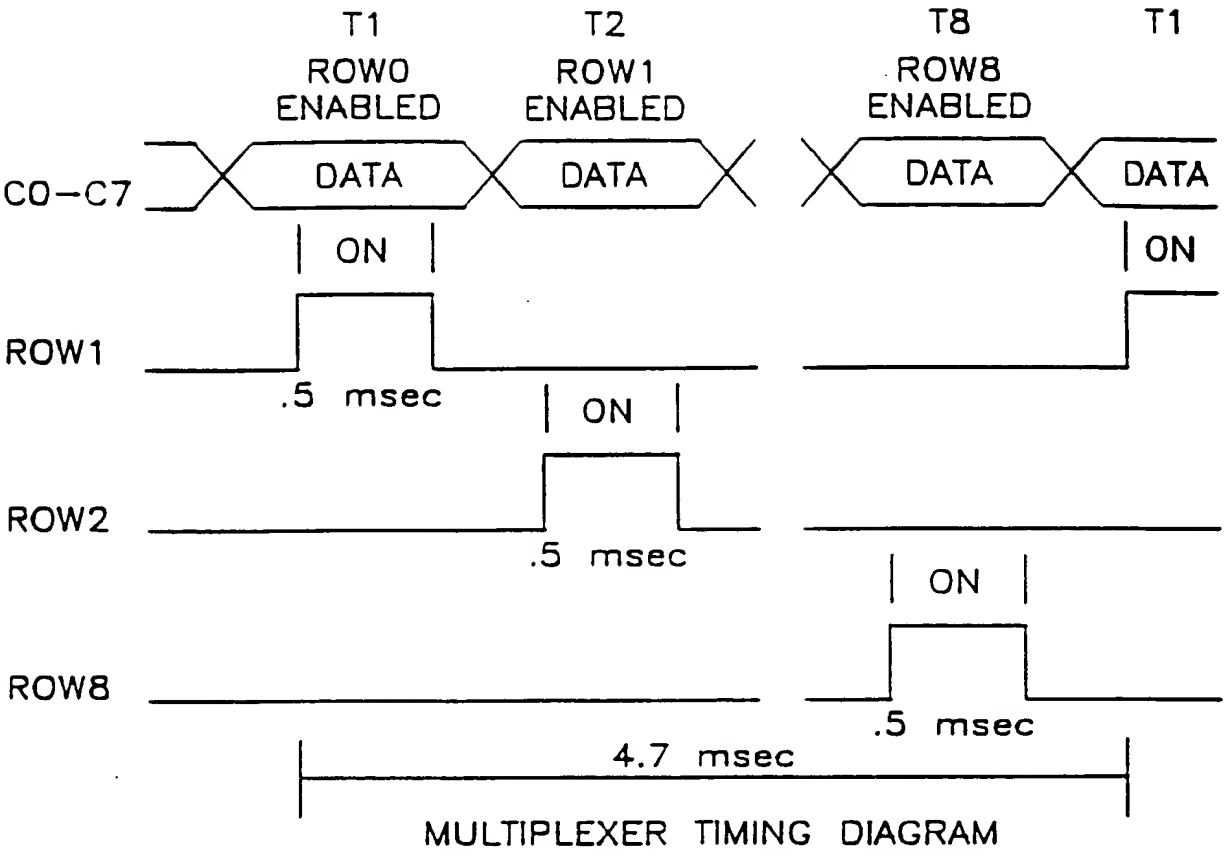


FIGURE 6a


T1
ROW0
ENABLED
T2
ROW1
ENABLED
T8
ROW8
ENABLED
T1
C0-C7
DATA
DATA
DATA
DATA
ON
ON
ROW1
.5 msec
ON
ROW2
.5 msec
ON
ROW8
.5 msec
4.7 msec
MULTIPLEXER TIMING DIAGRAM

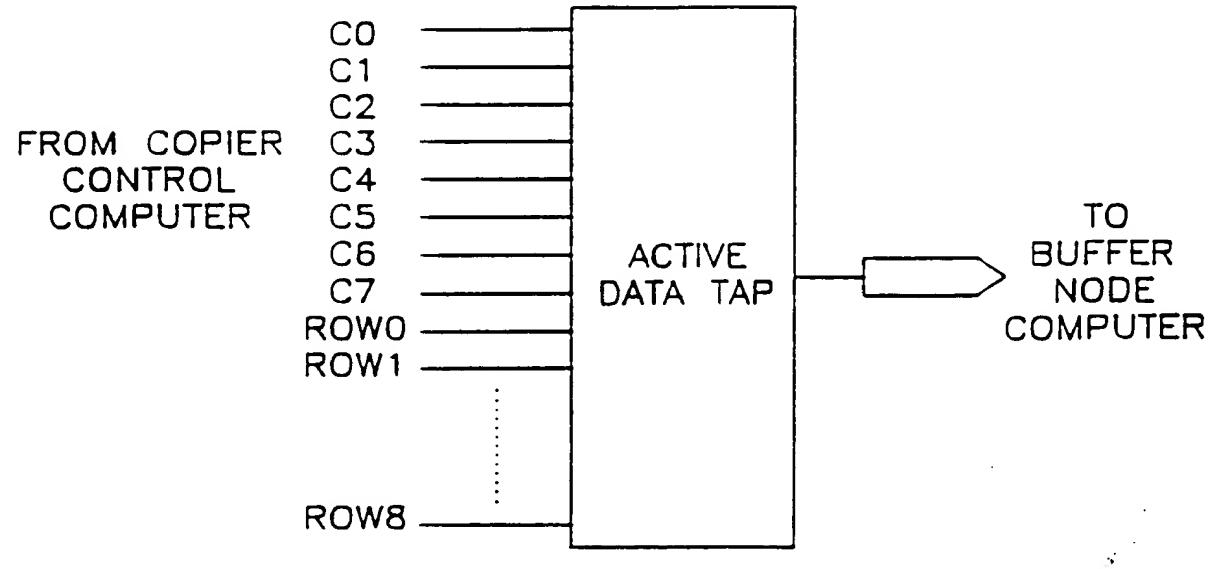

FROM COPIER CONTROL COMPUTER
C0
C1
C2
C3
C4
C5
C6
C7
ROW0
ROW1
ROW8
ACTIVE DATA TAP
TO BUFFER NODE COMPUTER

FIGURE 6b

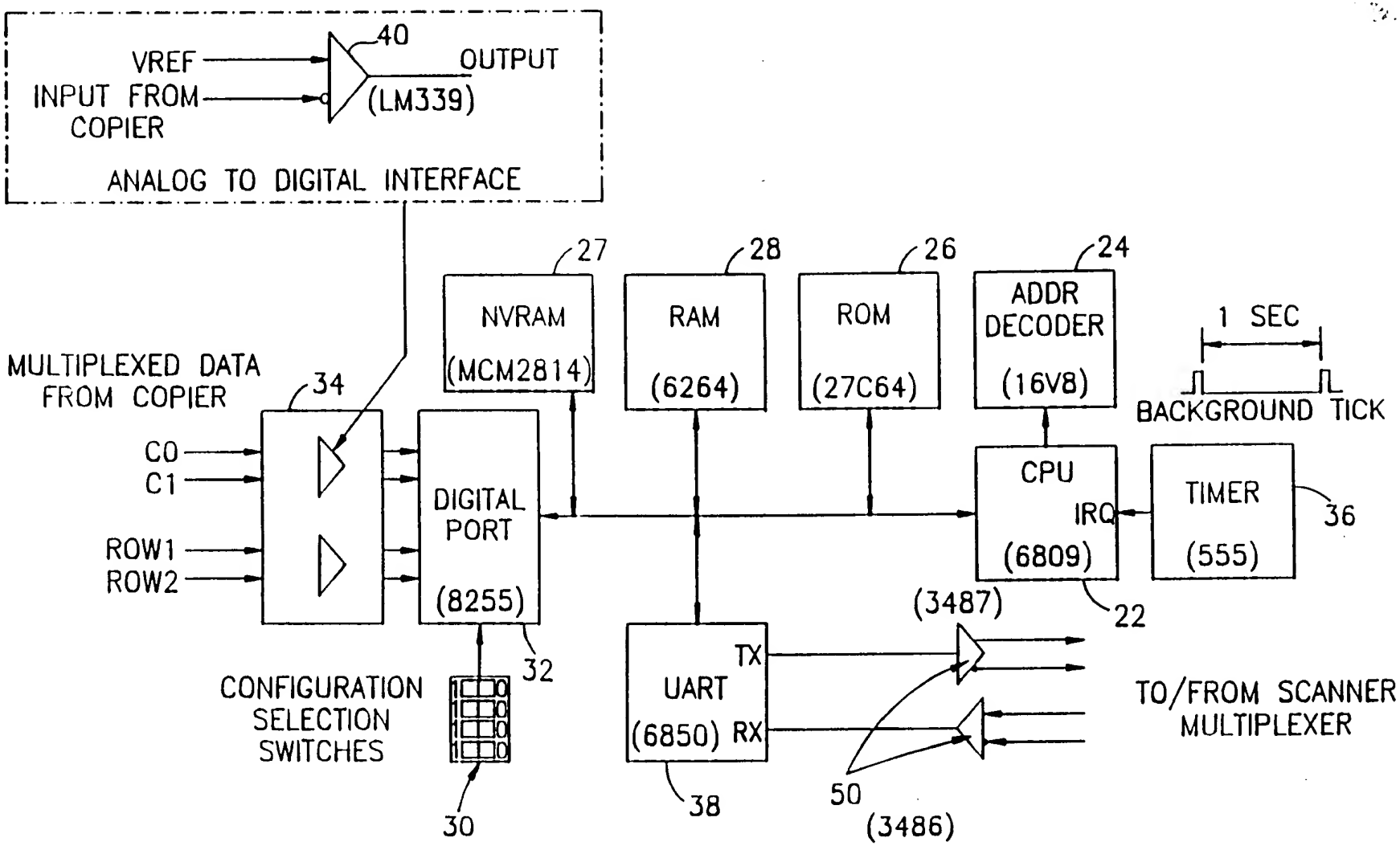

VREF
INPUT FROM COPIER
40
OUTPUT
(LM339)
ANALOG TO DIGITAL INTERFACE
27
NVRAM
(MCM2814)
28
RAM
(6264)
26
ROM
(27C64)
24
ADDR DECODER
(16V8)
1 SEC
BACKGROUND TICK
MULTIPLEXED DATA FROM COPIER
34
C0
C1
ROW1
ROW2
DIGITAL PORT
(8255)
CPU
IRQ
(6809)
TIMER
(555)
36
22
(3487)
TX
UART
(6850) RX
32
CONFIGURATION SELECTION SWITCHES
30
38
50
(3486)
TO/FROM SCANNER MULTIPLEXER

FIGURE 7

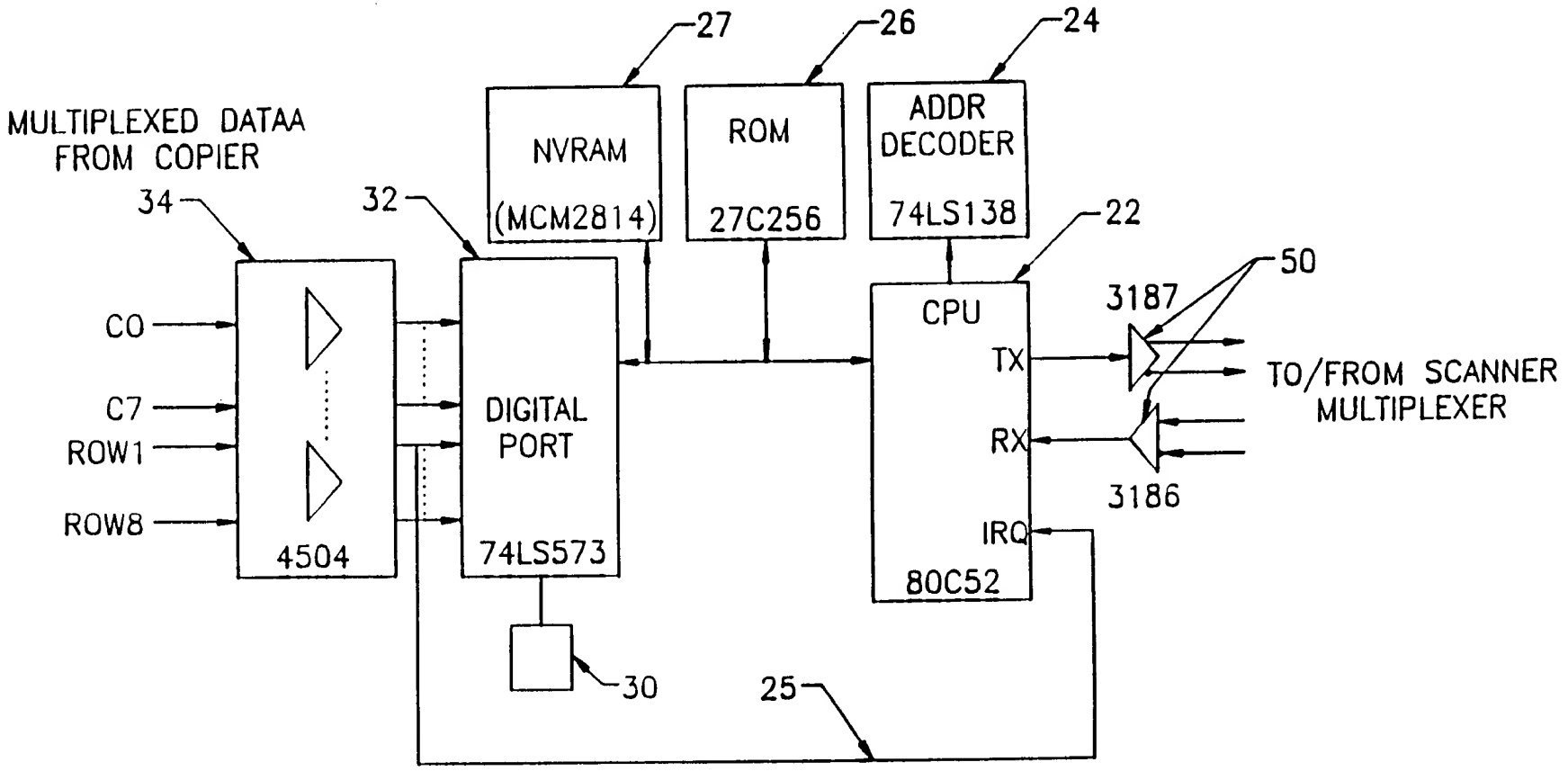

MULTIPLEXED DATAA
FROM COPIER
34
32
27
26
24
NVRAM
(MCM2814)
ROM
27C256
ADDR
DECODER
74LS138
22
50
3187
CO
C7
ROW1
ROW8
4504
DIGITAL
PORT
74LS573
CPU
TX
RX
IRQ
80C52
TO/FROM SCANNER
MULTIPLEXER
3186
30
25

FIGURE 8

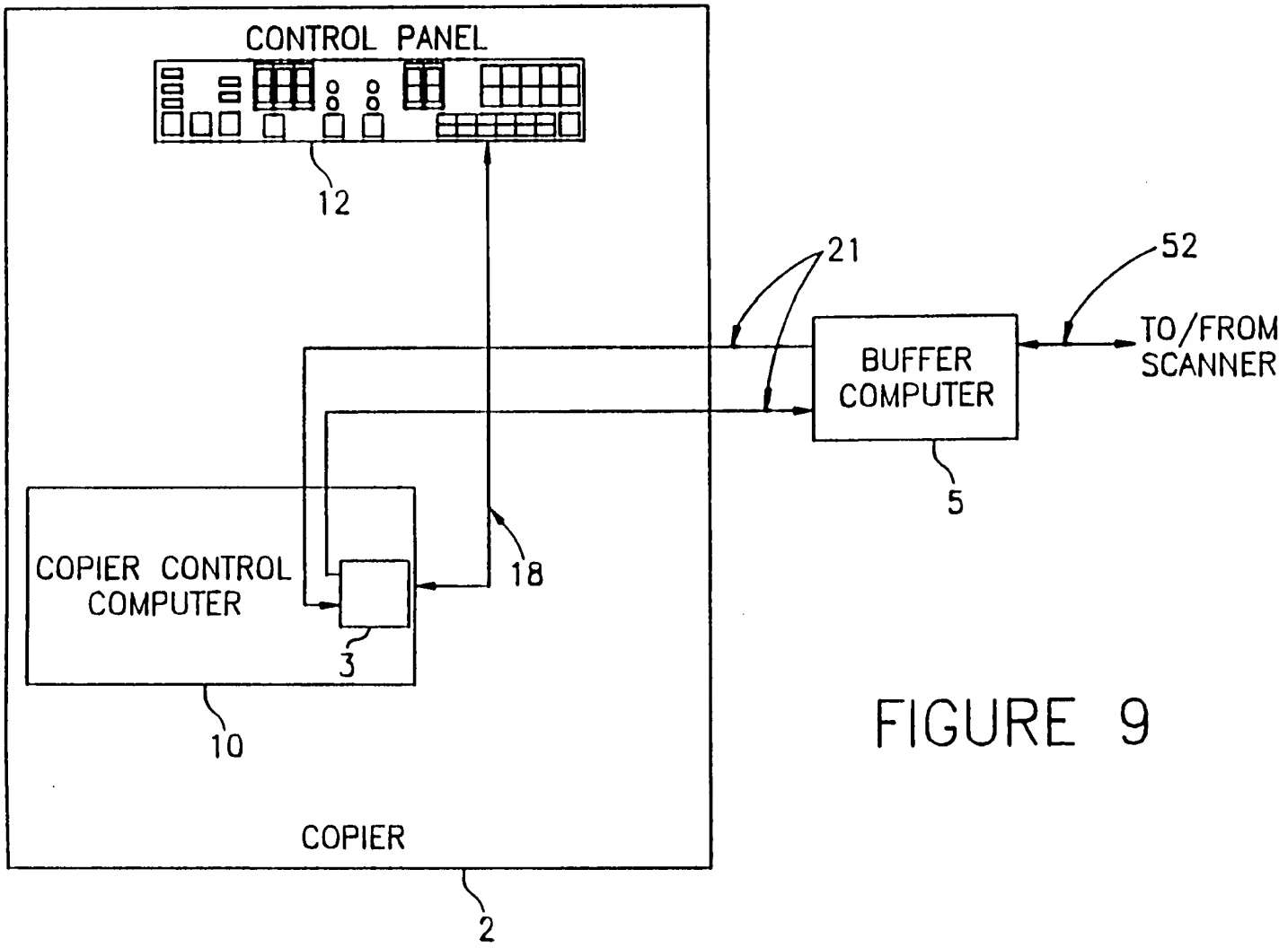

CONTROL PANEL
12
21
52
TO/FROM
SCANNER
BUFFER
COMPUTER
5
COPIER CONTROL
COMPUTER
18
3
10
COPIER
2

FIGURE 9

T06007-950206D

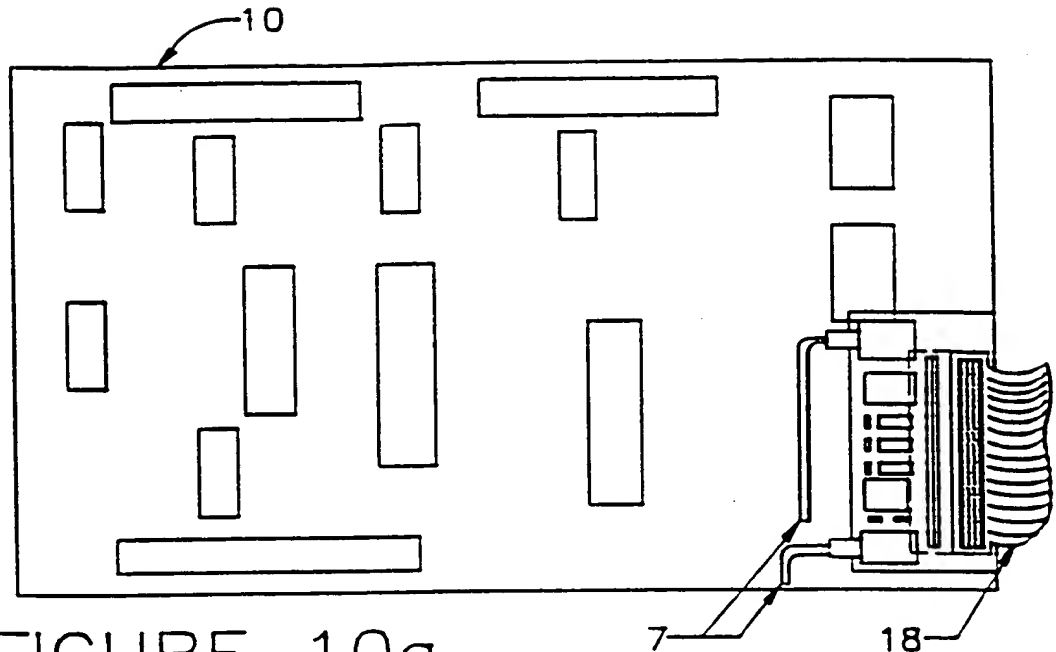


FIGURE 10a

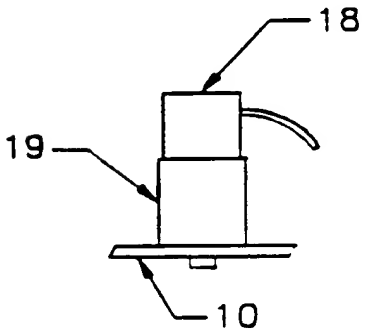


FIGURE 10b

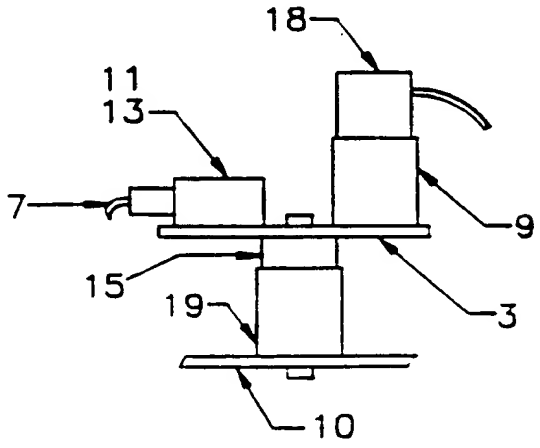


FIGURE 10c

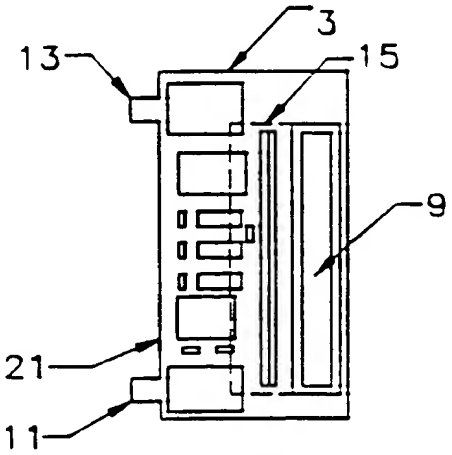


FIGURE 10d

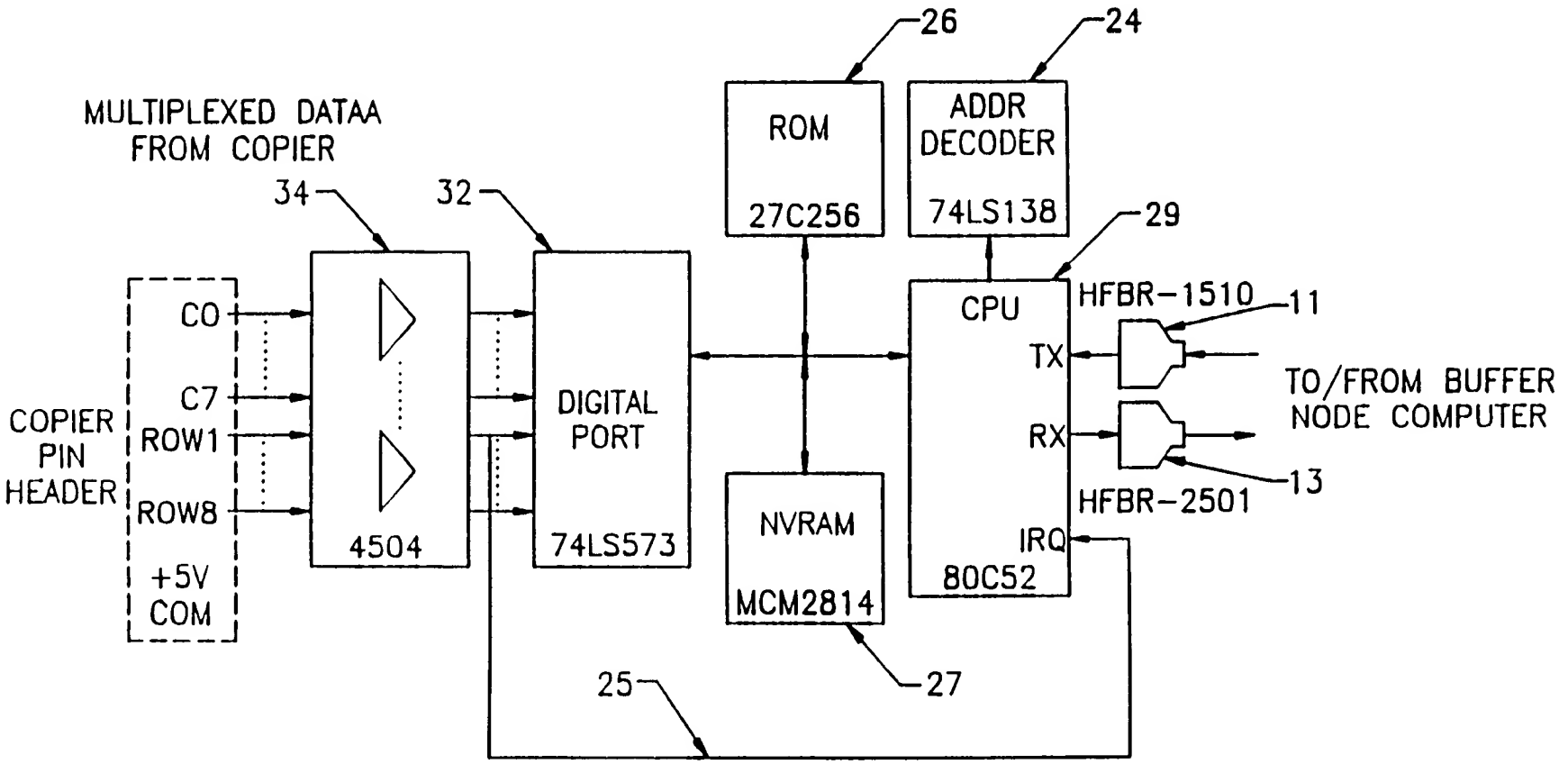

MULTIPLEXED DATAA
FROM COPIER
34
32
26
24
ROM
27C256
ADDR
DECODER
74LS138
29
CO
C7
ROW1
ROW8
+5V
COM
COPIER
PIN
HEADER
4504
DIGITAL
PORT
74LS573
NVRAM
MCM2814
27
CPU
80C52
HFBR-1510
11
TX
RX
HFBR-2501
13
IRQ
TO/FROM BUFFER
NODE COMPUTER
25

FIGURE 11

T0600T" 99020660

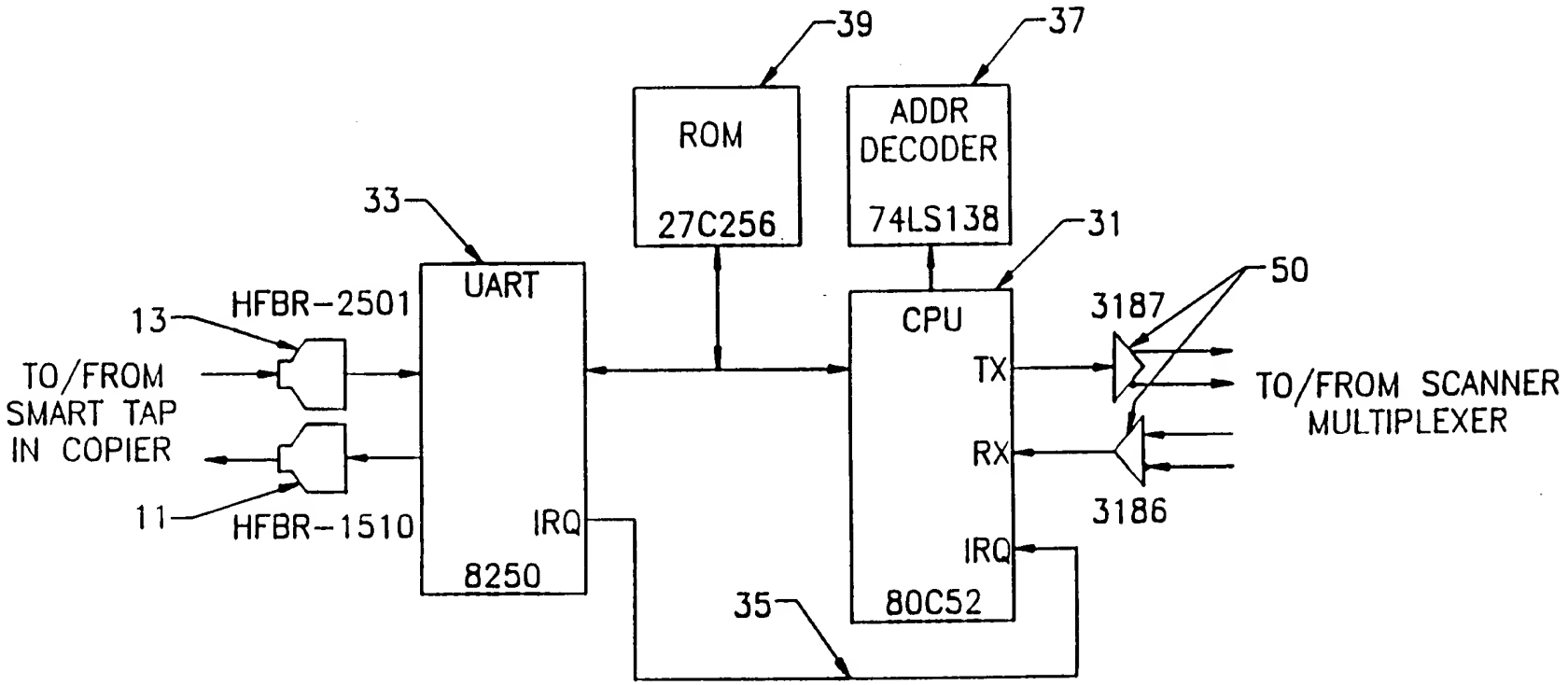


FIGURE 12

T0600T" 99020660

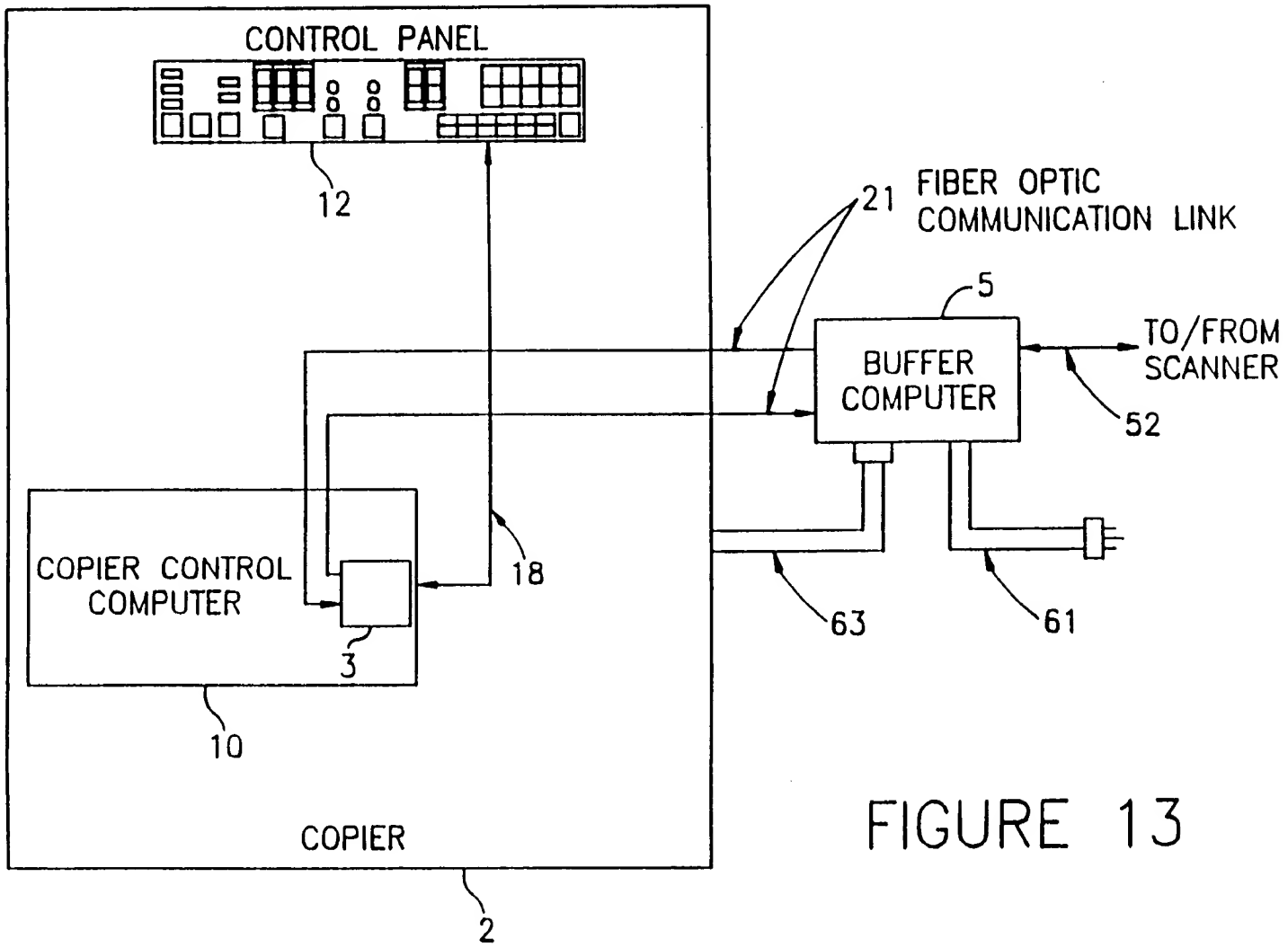


FIGURE 13

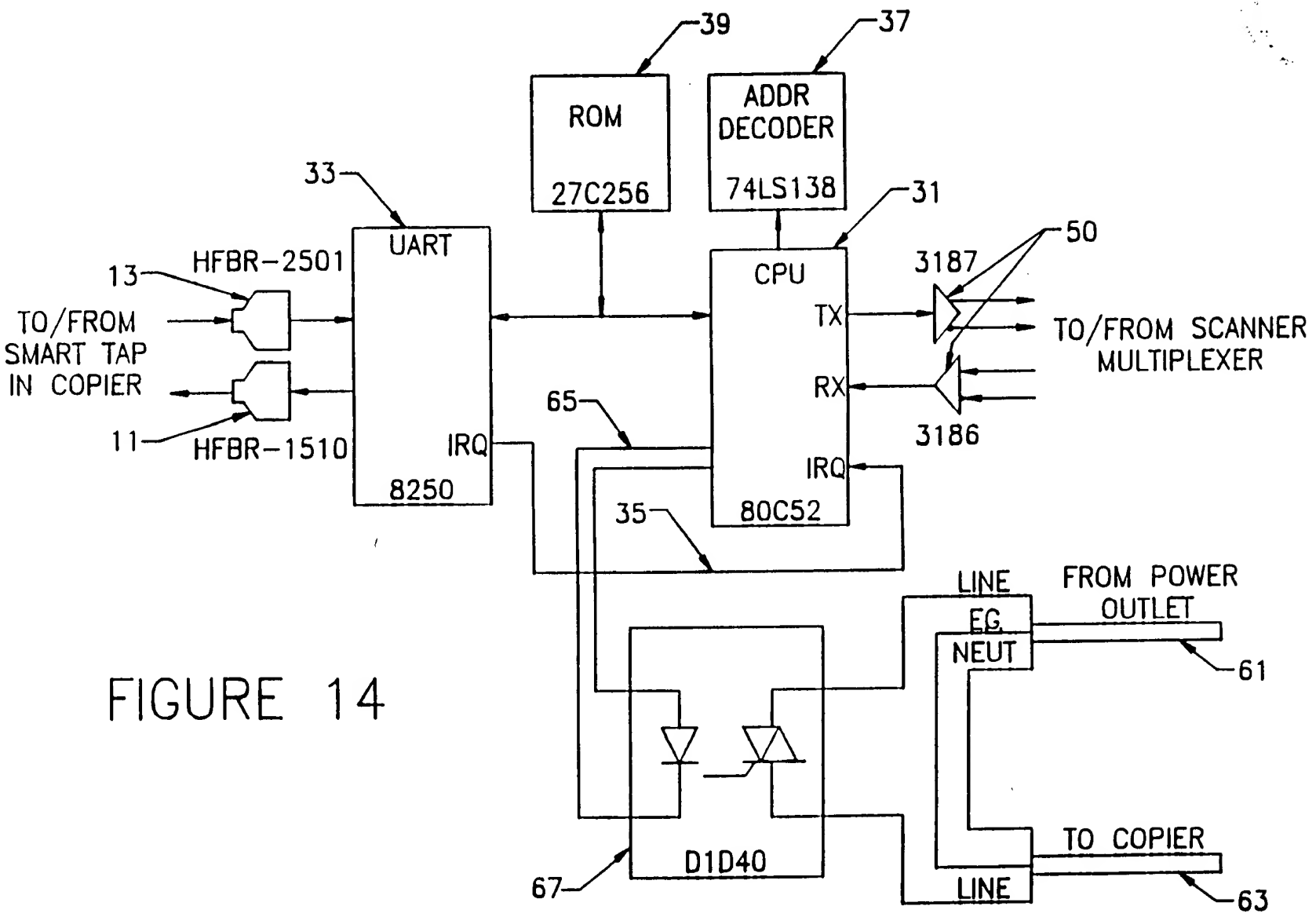
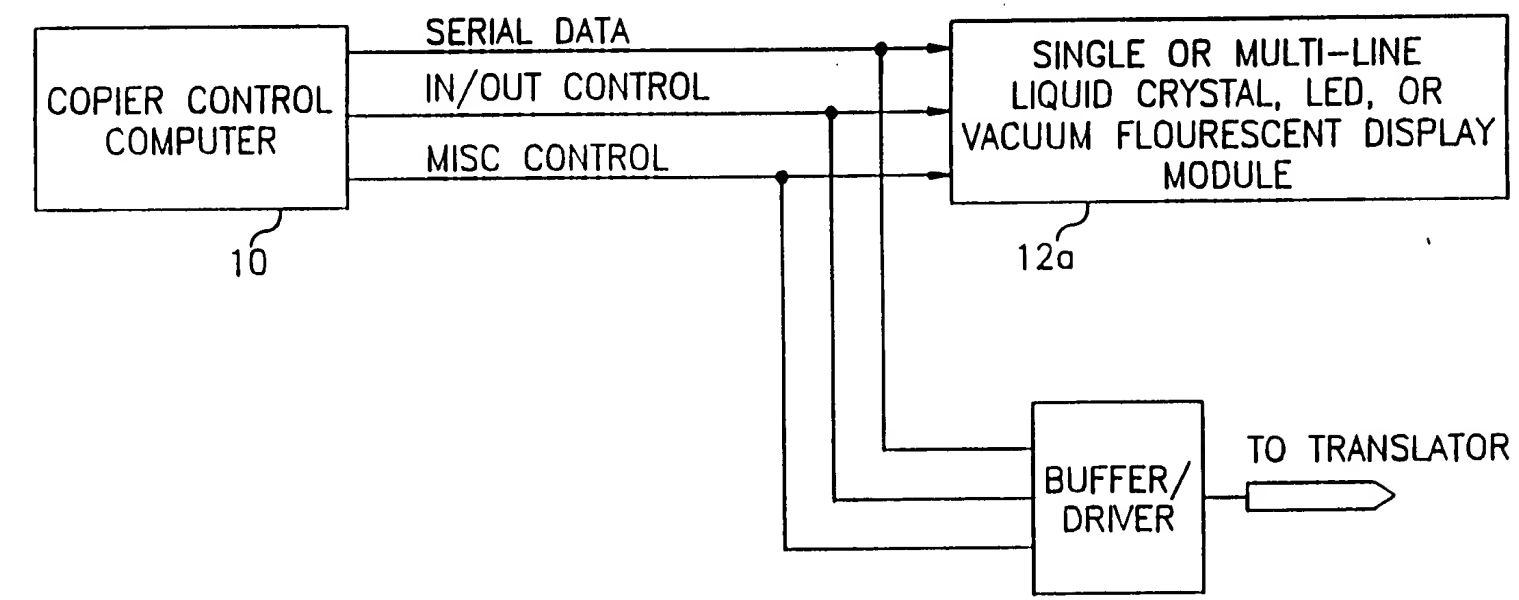
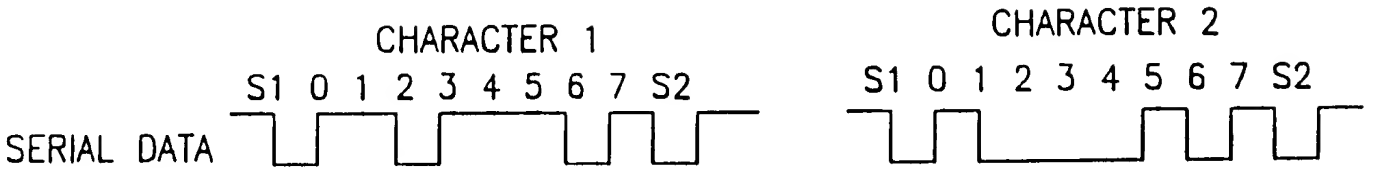

39
37
ROM
27C256
ADDR
DECODER
74LS138
33
31
50
UART
CPU
3187
13
HFBR-2501
TO/FROM
SMART TAP
IN COPIER
TX
TO/FROM SCANNER
MULTIPLEXER
RX
65
3186
11
HFBR-1510
IRQ
IRQ
8250
80C52
35
LINE
FROM POWER
OUTLET
EG
NEUT
61
TO COPIER
D1D40
67
LINE
63

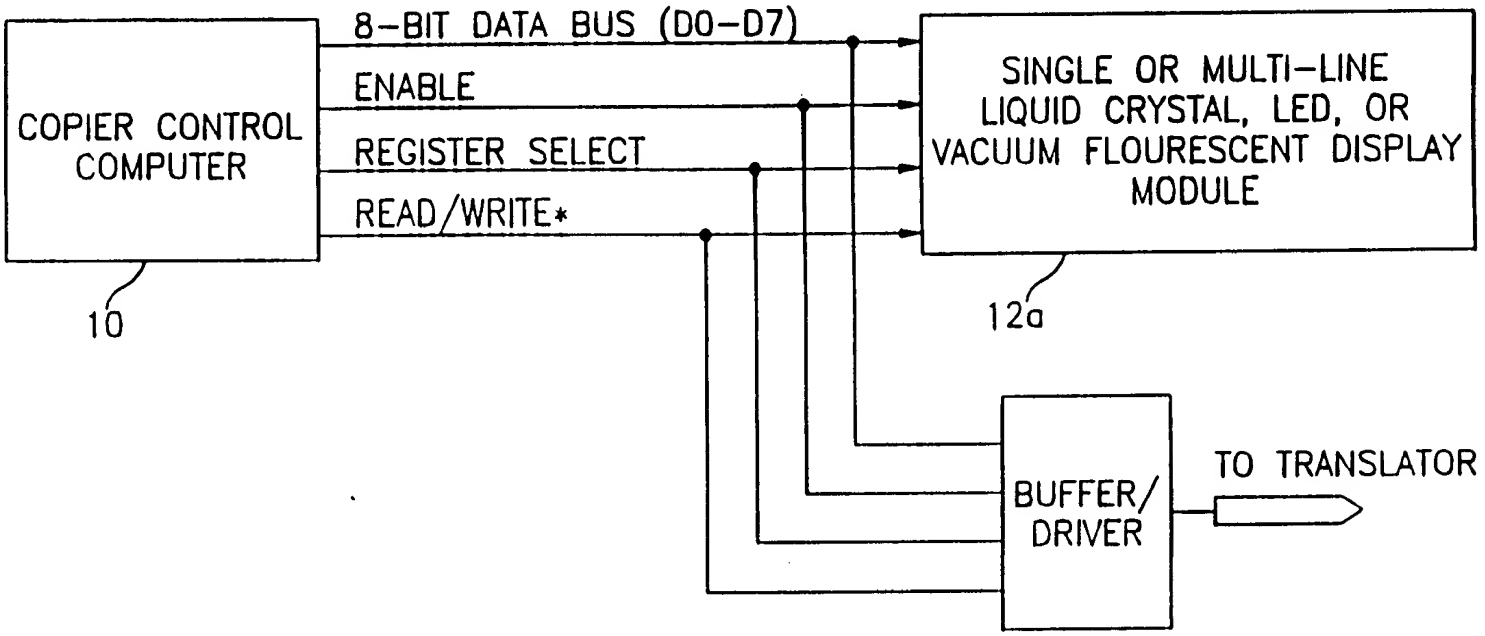
FIGURE 14

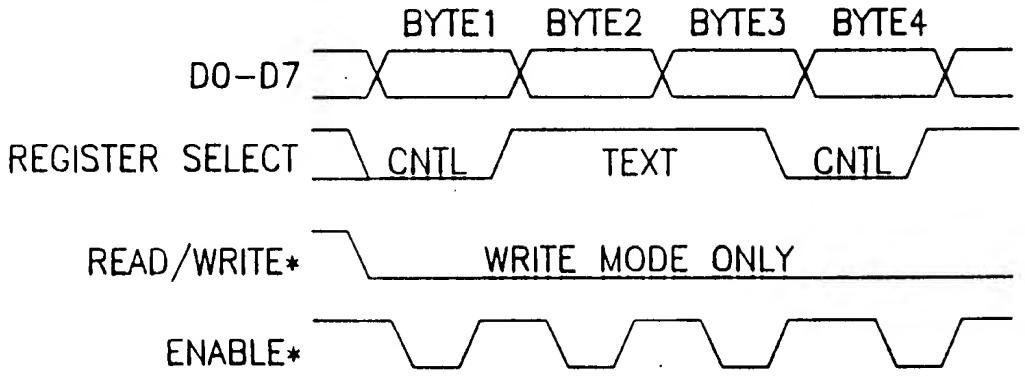




DATA TRANSMISSION REPRESENTATION

FIGURE 15





DISPLAY ACCESS TIMING DIAGRAM

FIGURE 16

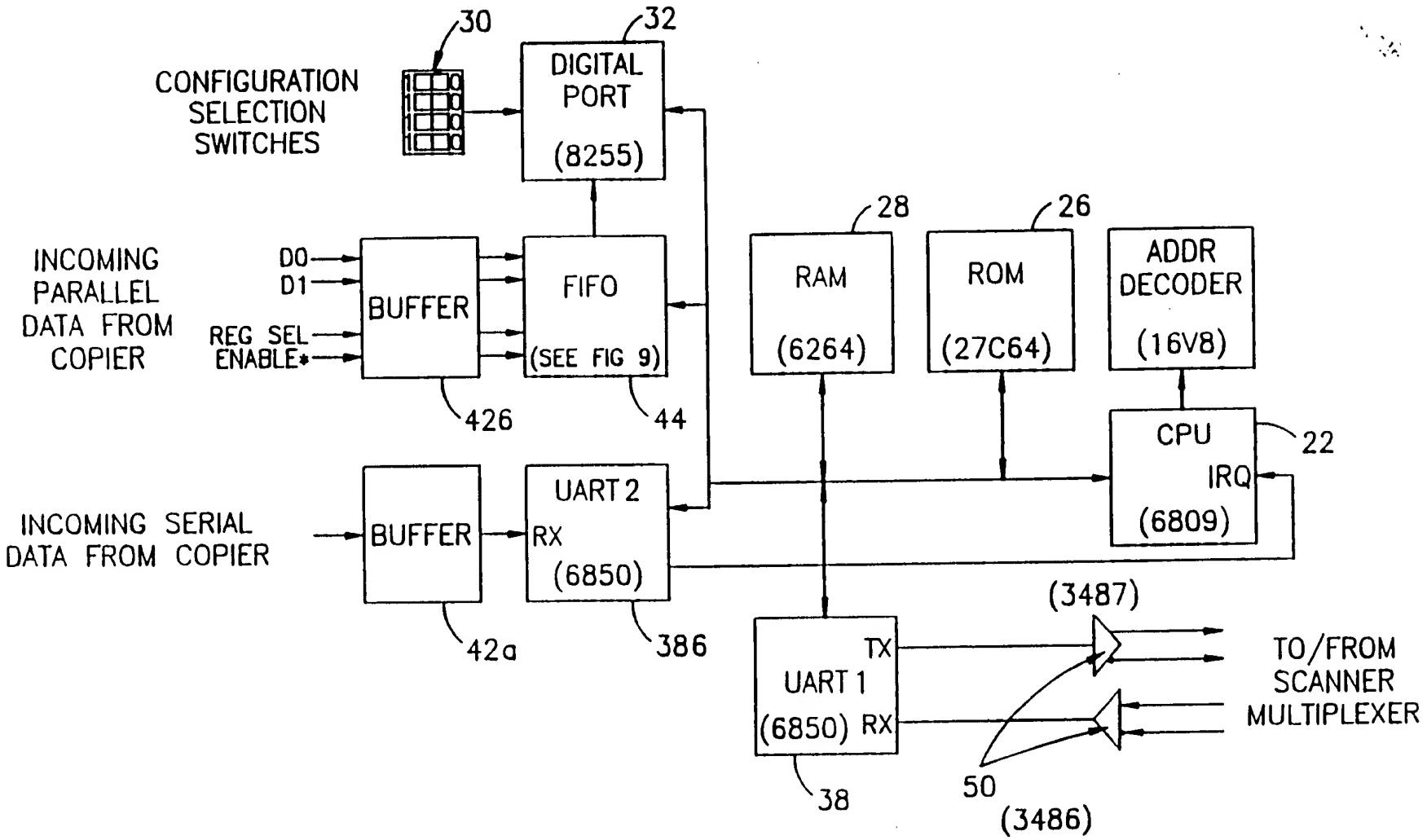

30
32
CONFIGURATION SELECTION SWITCHES
DIGITAL PORT (8255)
INCOMING PARALLEL DATA FROM COPIER
D0
D1
REG SEL
ENABLE*
BUFFER
FIFO
(SEE FIG 9)
426
44
28
26
RAM (6264)
ROM (27C64)
ADDR DECODER (16V8)
CPU (6809)
IRQ
22
INCOMING SERIAL DATA FROM COPIER
BUFFER
UART 2
RX
(6850)
42a
386
(3487)
TX
UART 1
(6850) RX
38
50
(3486)
TO/FROM SCANNER MULTIPLEXER

FIGURE 17

T-05-07-96 SHEET 50 OF 150

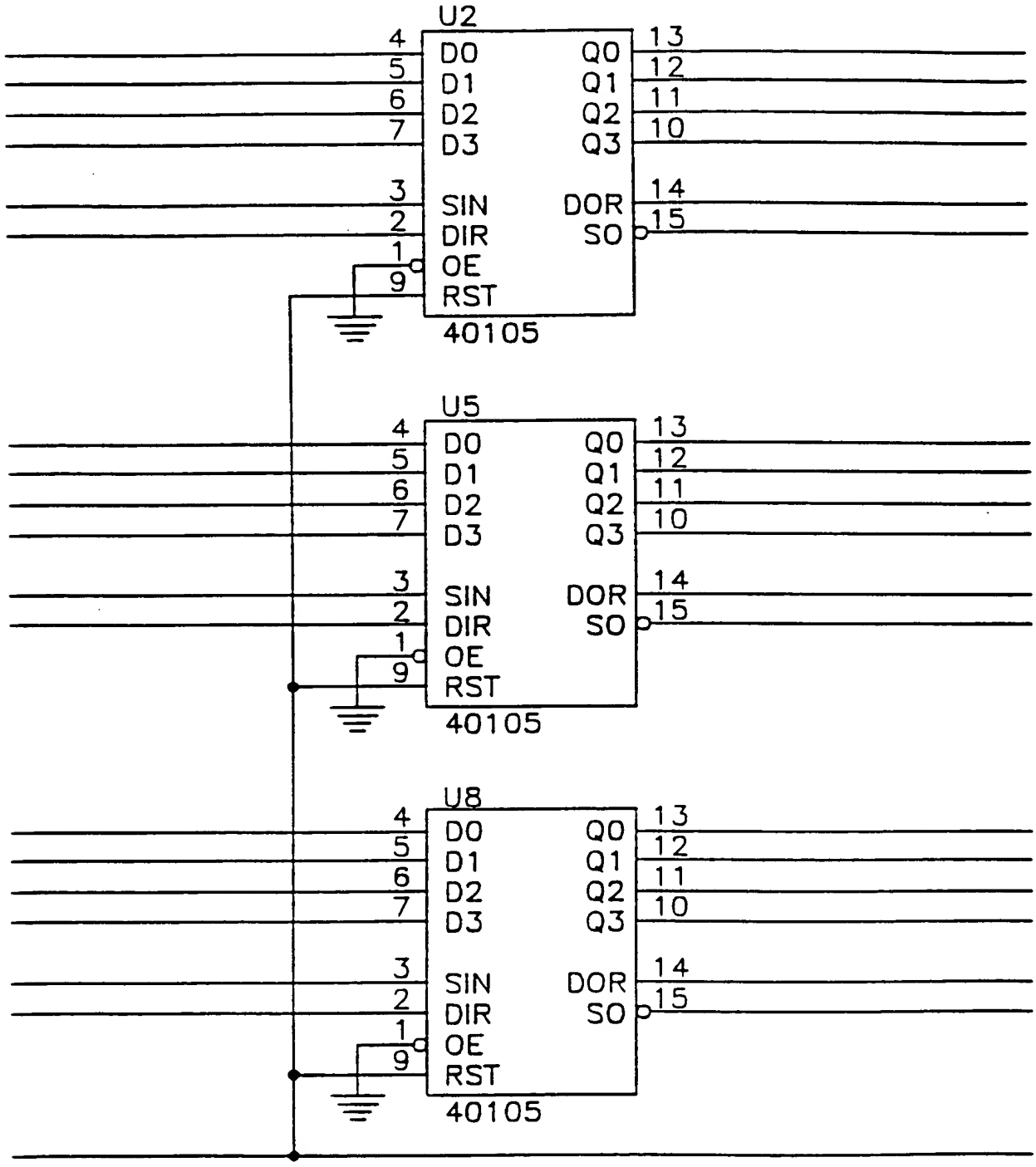


FIGURE 18a

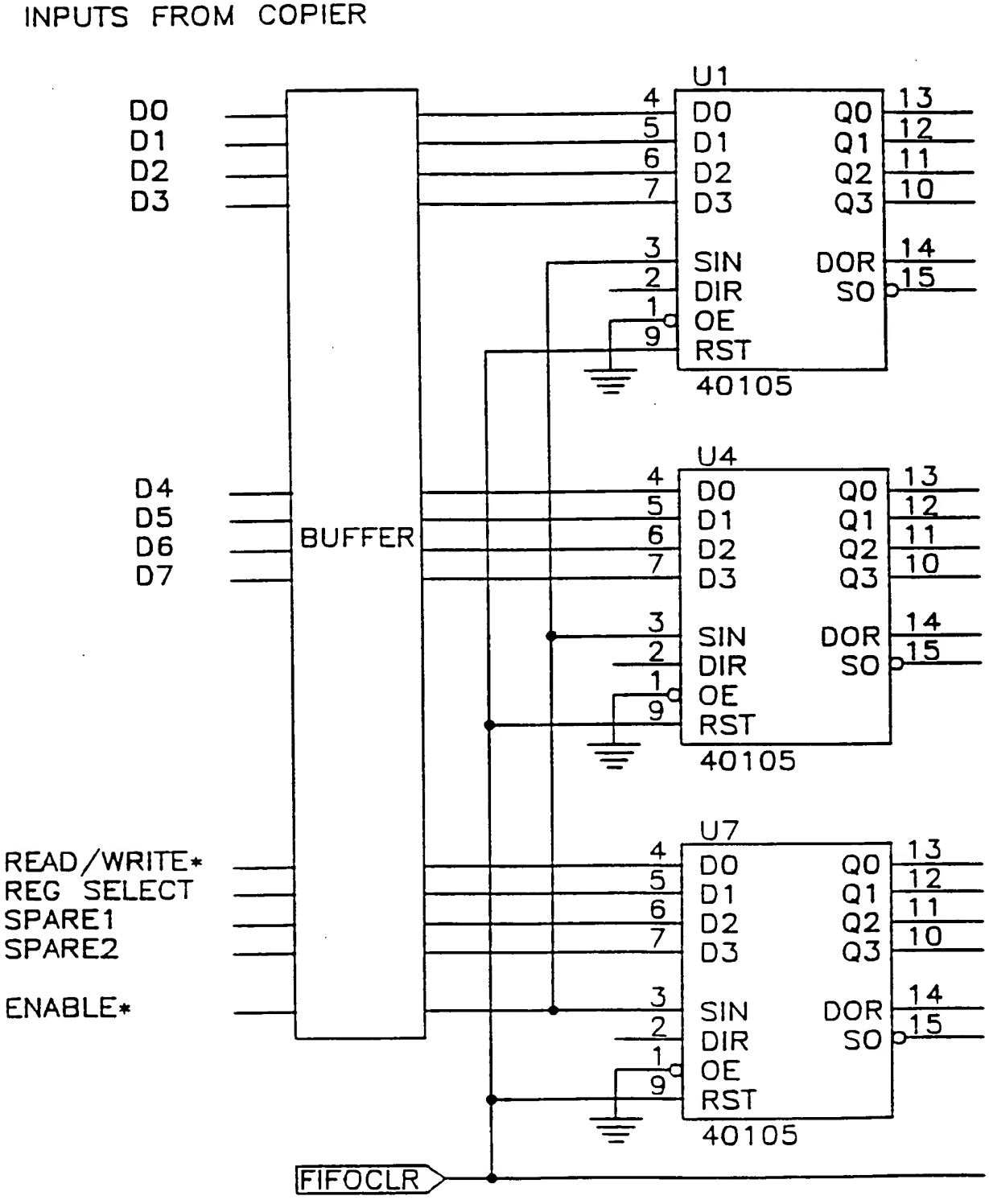

INPUTS FROM COPIER
D0
D1
D2
D3
D4
D5
D6
D7
READ/WRITE*
REG SELECT
SPARE1
SPARE2
ENABLE*
BUFFER
FIFOCLR
U1
U4
U7
D0
D1
D2
D3
SIN
DIR
OE
RST
Q0
Q1
Q2
Q3
DOR
SO
40105

FIGURE 18b

T05007 9902050

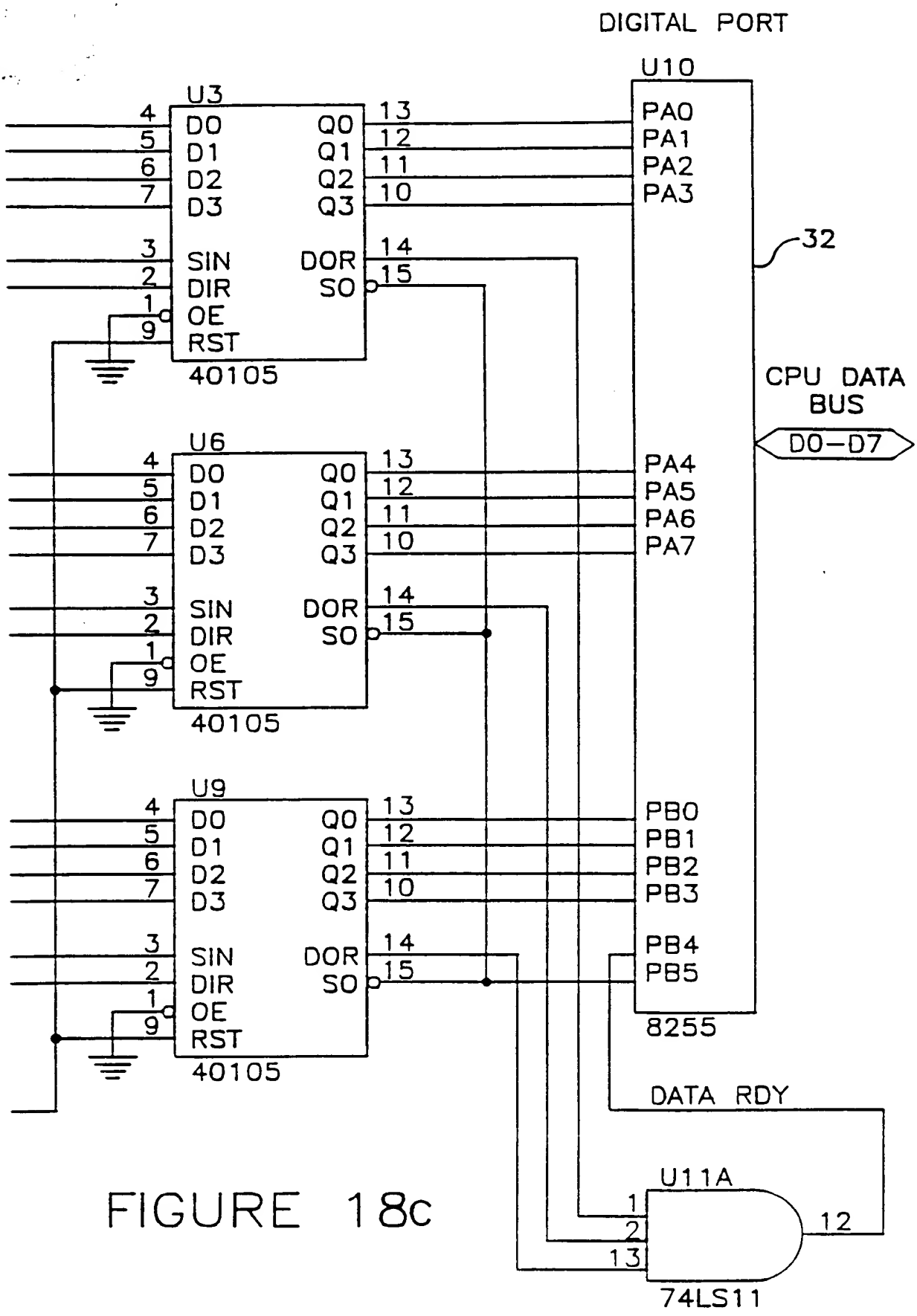
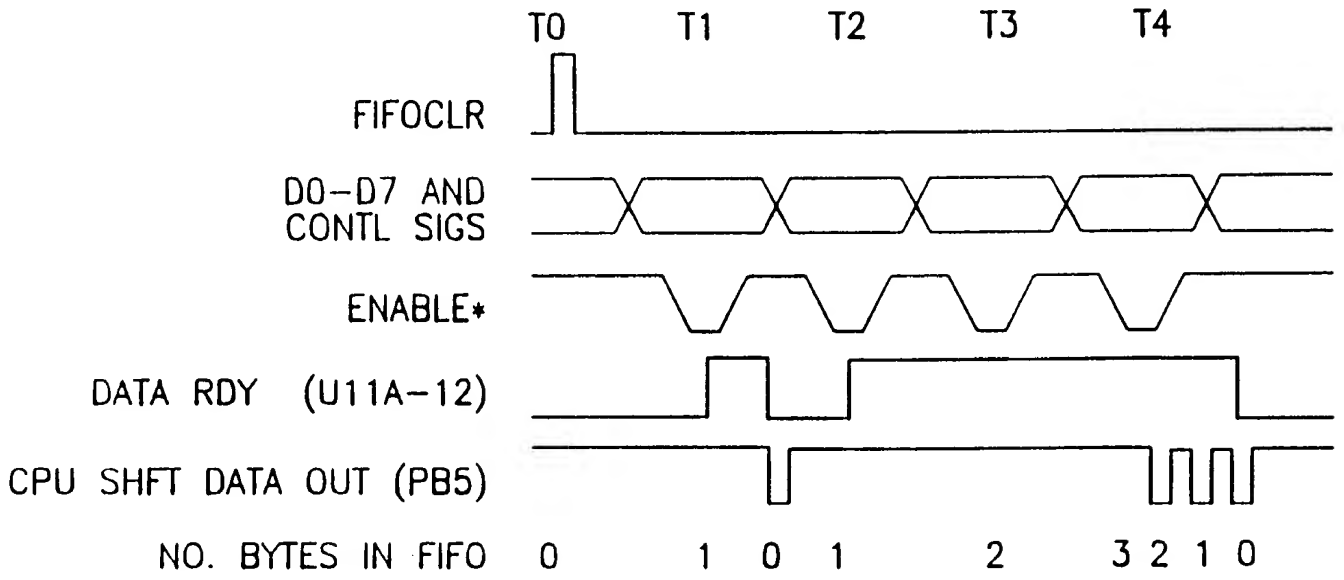


FIGURE 18c



FIFO MEMORY ARRAY TIMING DIAGRAM

FIGURE 18d

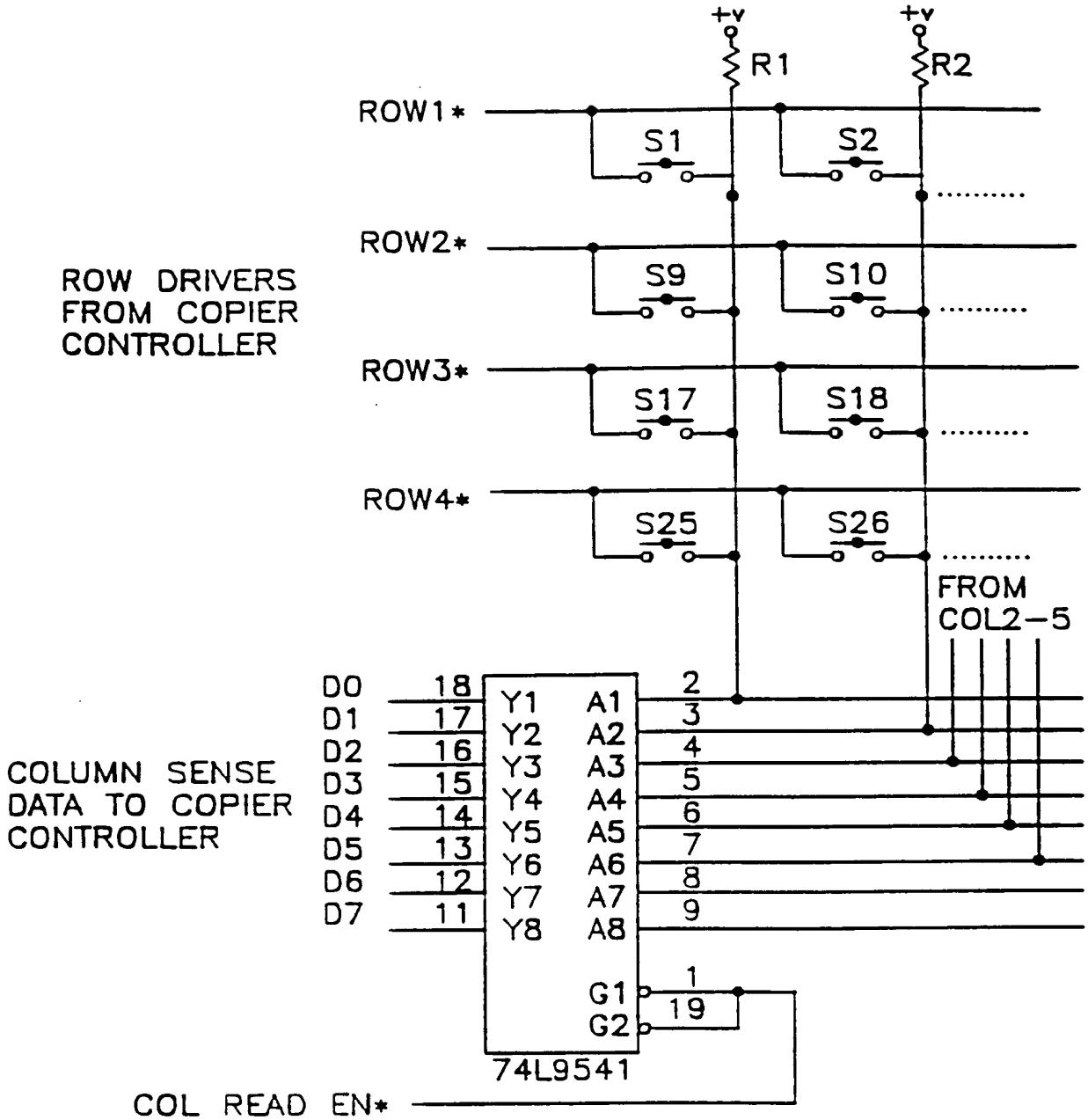


FIGURE 19a

COPIER MULTIPLEXED KEYBOARD WITH
REMOTE KEYSTROKE MONITORING AND
REMOTE KEYSTROKE GENERATOR CIRCUITRY

Tasco Ref. 9902050

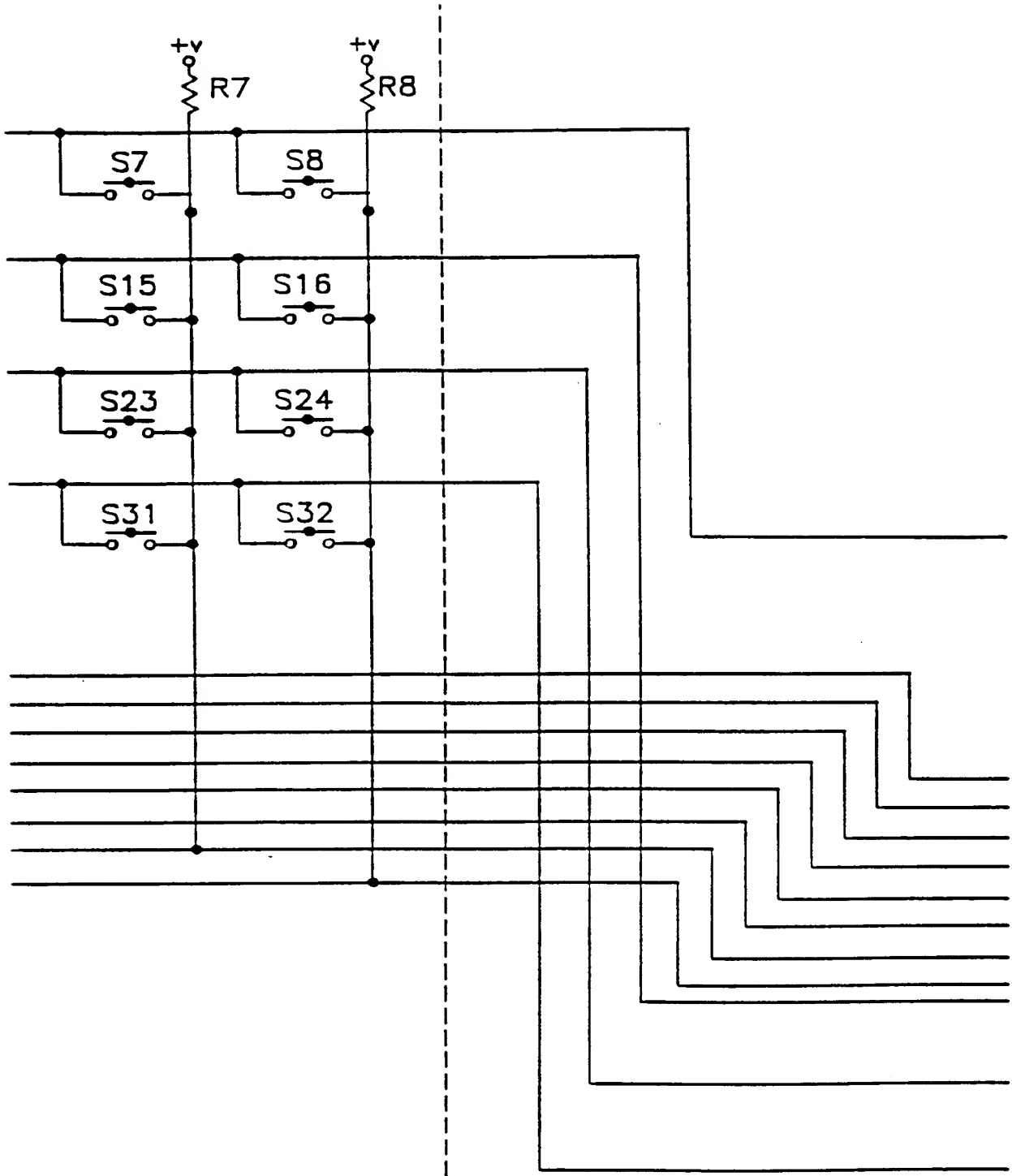


FIGURE 19b

0950201-950201-950201

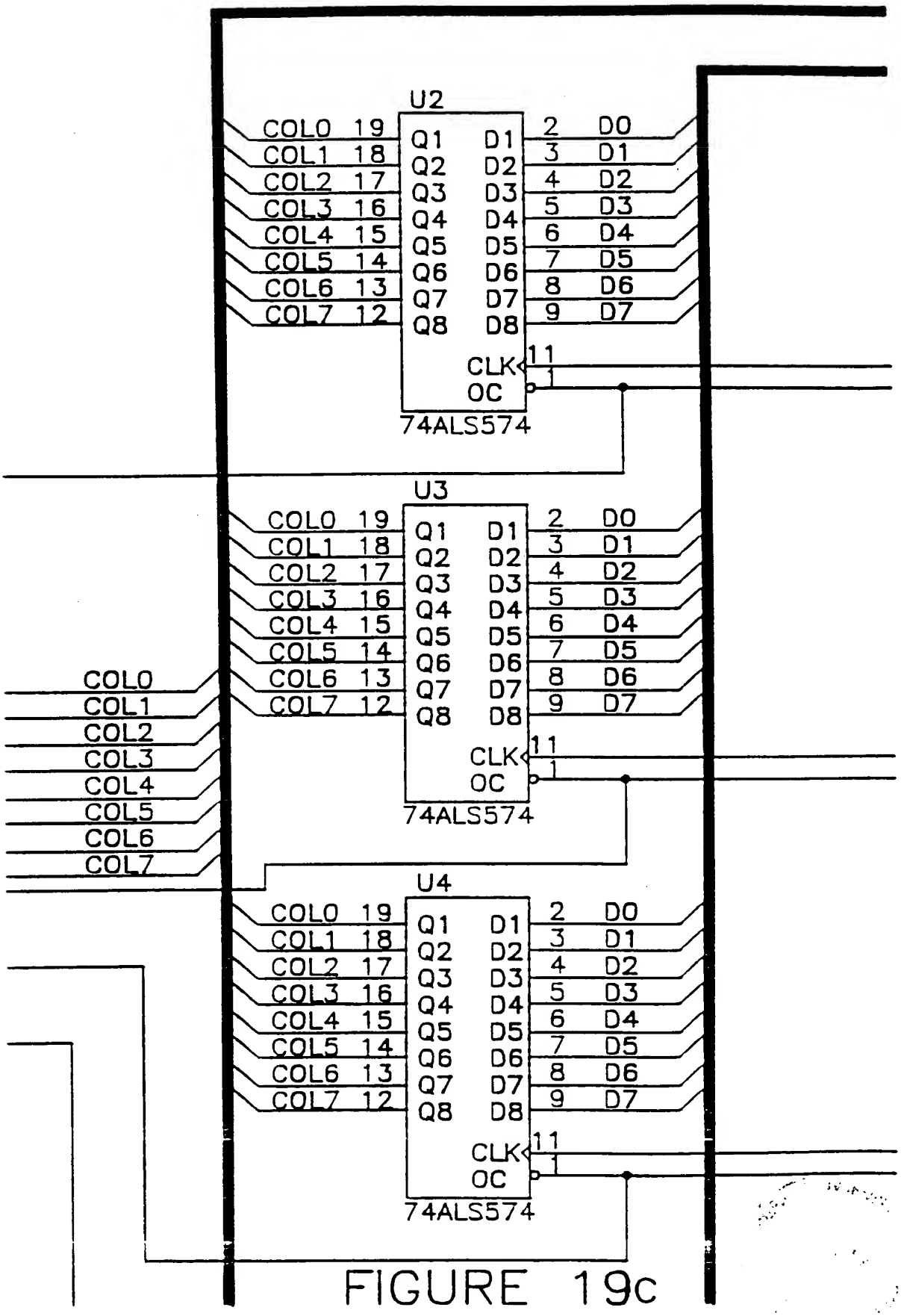


FIGURE 19c

T0600F-9502060

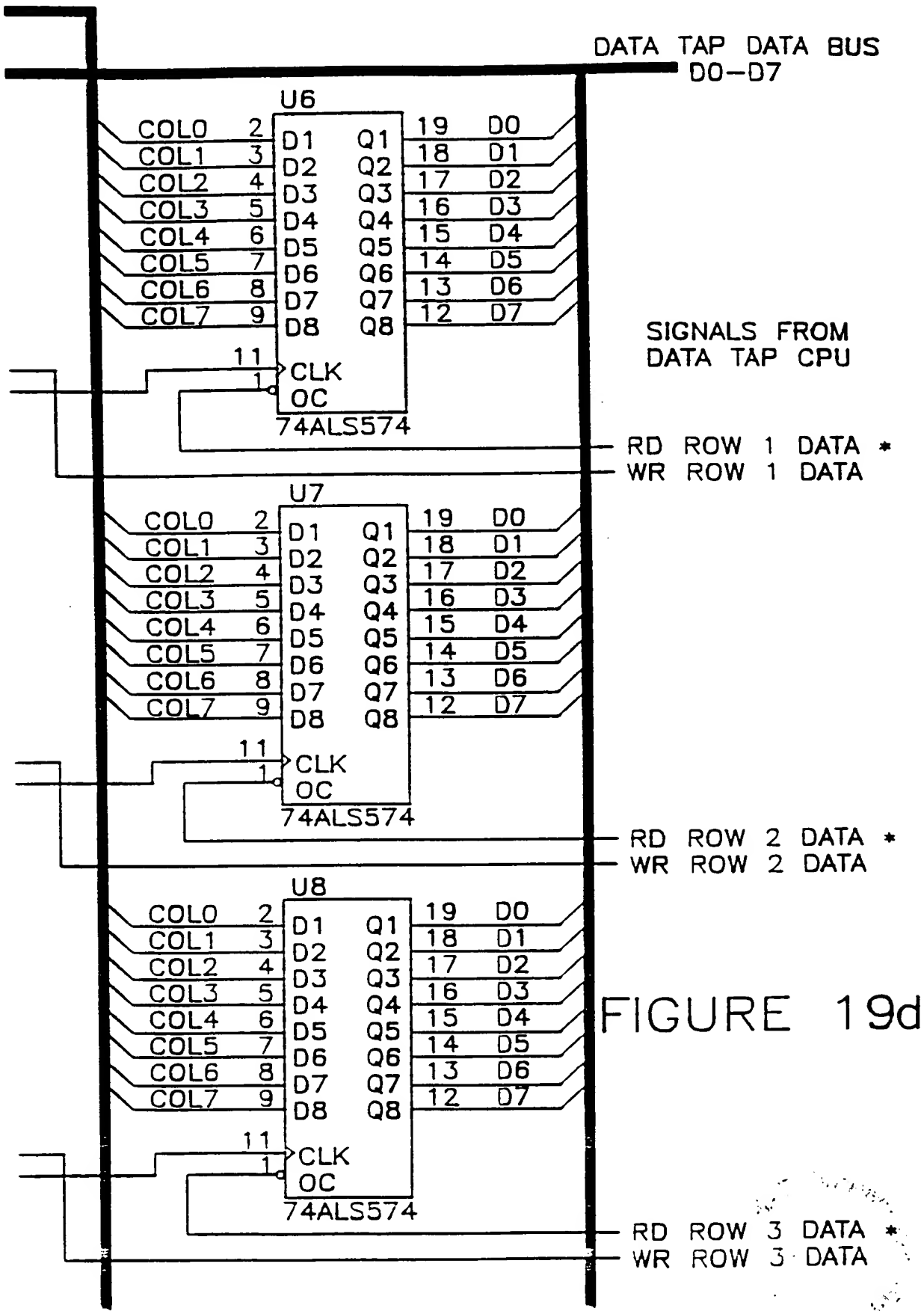


FIGURE 19d

T06007" 99020660

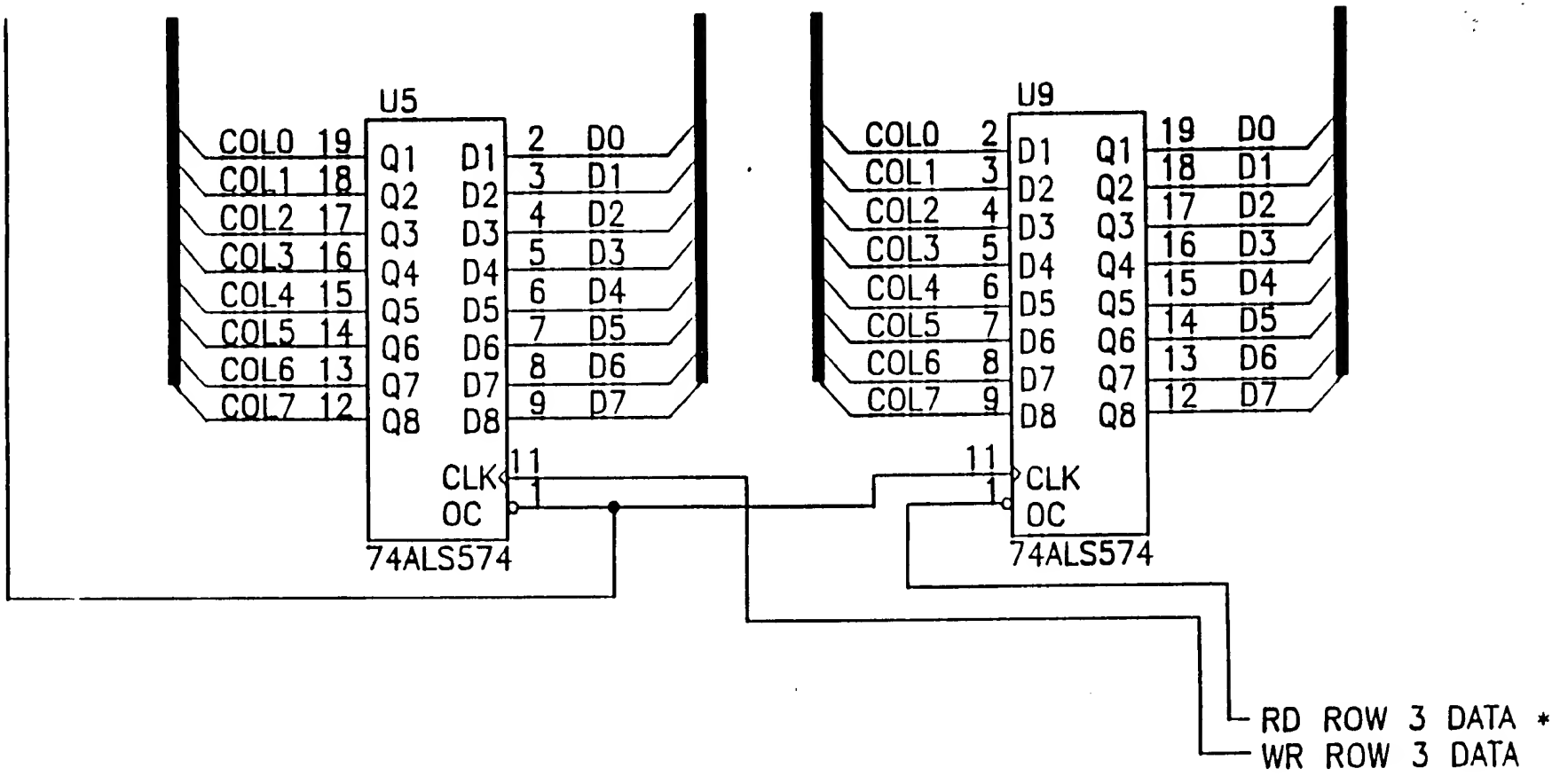


FIGURE 19e

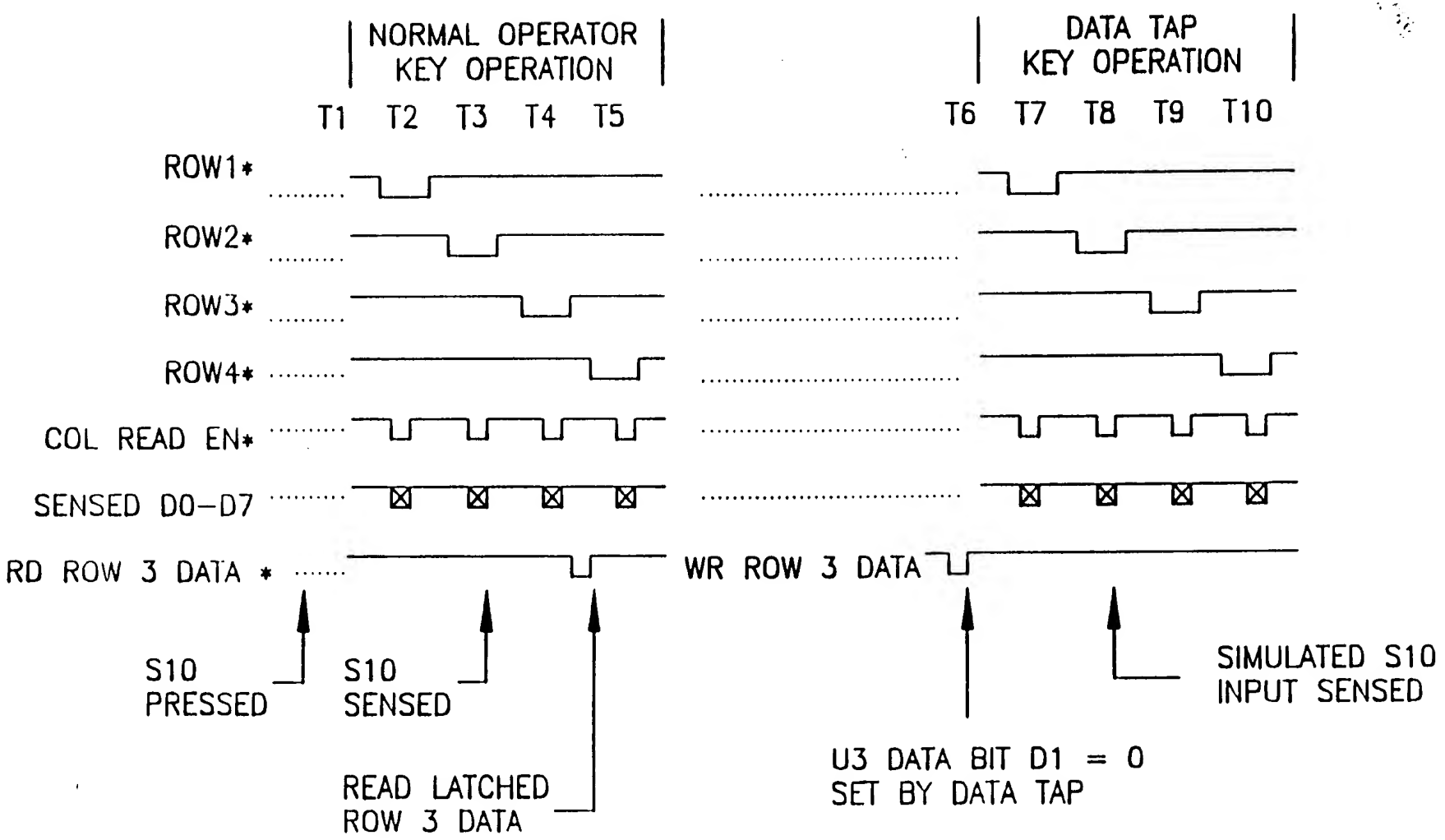


FIGURE 19f

MULTIPLEXED KEYBOARD TIMING DIAGRAM

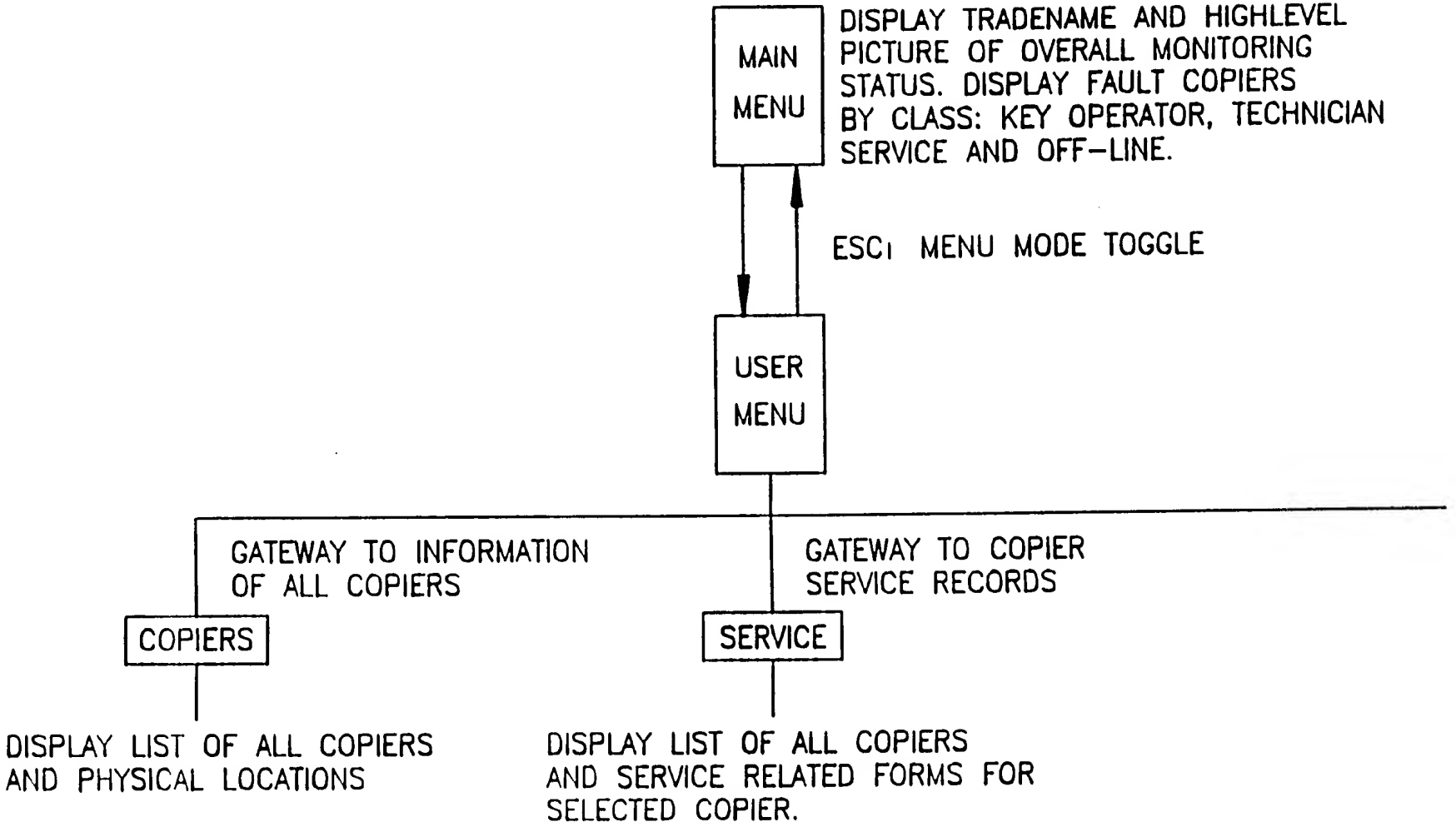
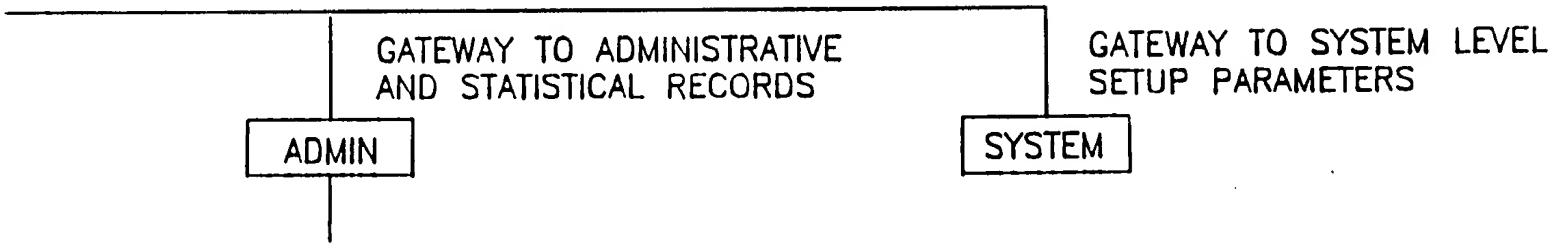

MAIN MENU
DISPLAY TRADENAME AND HIGHLEVEL PICTURE OF OVERALL MONITORING STATUS. DISPLAY FAULT COPIERS BY CLASS: KEY OPERATOR, TECHNICIAN SERVICE AND OFF-LINE.
ESC1 MENU MODE TOGGLE
USER MENU
GATEWAY TO INFORMATION OF ALL COPIERS
GATEWAY TO COPIER SERVICE RECORDS
COPIERS
SERVICE
DISPLAY LIST OF ALL COPIERS AND PHYSICAL LOCATIONS
DISPLAY LIST OF ALL COPIERS AND SERVICE RELATED FORMS FOR SELECTED COPIER.
SEE FIGURE 20b
SEE FIGURE 20c

FIGURE 20a

FUNCTION KEYS AVAILABLE AT EACH LEVEL

F1: ON-LINE HELP MESSAGES ESC: BACKUP ONE MENU LEVEL



CREATE AND MAINTAIN COPIER DATABASE

SYSTEM LEVEL SET ENTRIES

SEE FIGURE 20d

SEE FIGURE 20e

FIGURE 20b

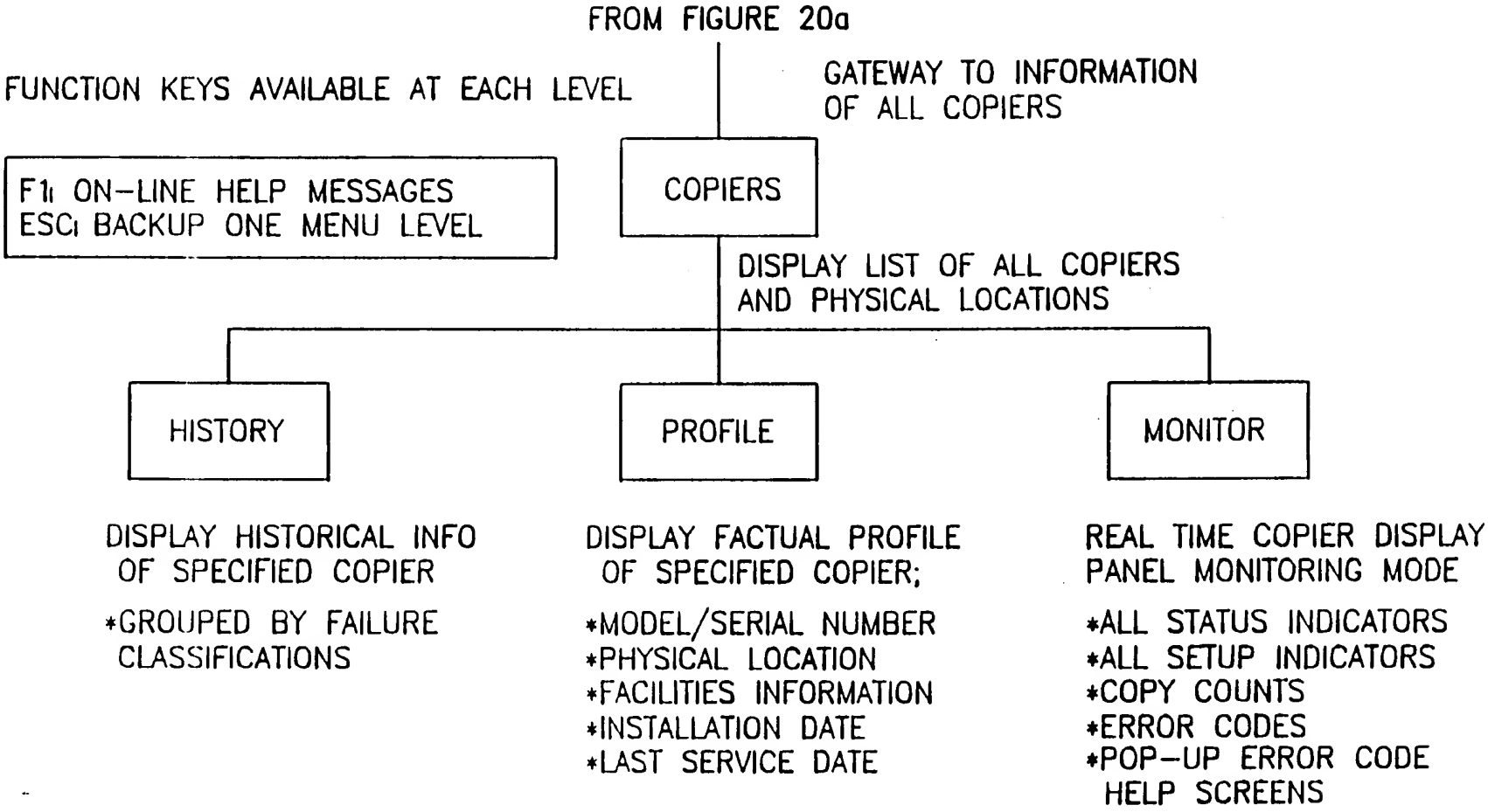

FROM FIGURE 20a
FUNCTION KEYS AVAILABLE AT EACH LEVEL
F1: ON-LINE HELP MESSAGES
ESC: BACKUP ONE MENU LEVEL
GATEWAY TO INFORMATION OF ALL COPIERS
COPIERS
DISPLAY LIST OF ALL COPIERS AND PHYSICAL LOCATIONS
HISTORY
PROFILE
MONITOR
DISPLAY HISTORICAL INFO OF SPECIFIED COPIER
*GROUPED BY FAILURE CLASSIFICATIONS
DISPLAY FACTUAL PROFILE OF SPECIFIED COPIER;
*MODEL/SERIAL NUMBER
*PHYSICAL LOCATION
*FACILITIES INFORMATION
*INSTALLATION DATE
*LAST SERVICE DATE
REAL TIME COPIER DISPLAY PANEL MONITORING MODE
*ALL STATUS INDICATORS
*ALL SETUP INDICATORS
*COPY COUNTS
*ERROR CODES
*POP-UP ERROR CODE HELP SCREENS

FIGURE 20c

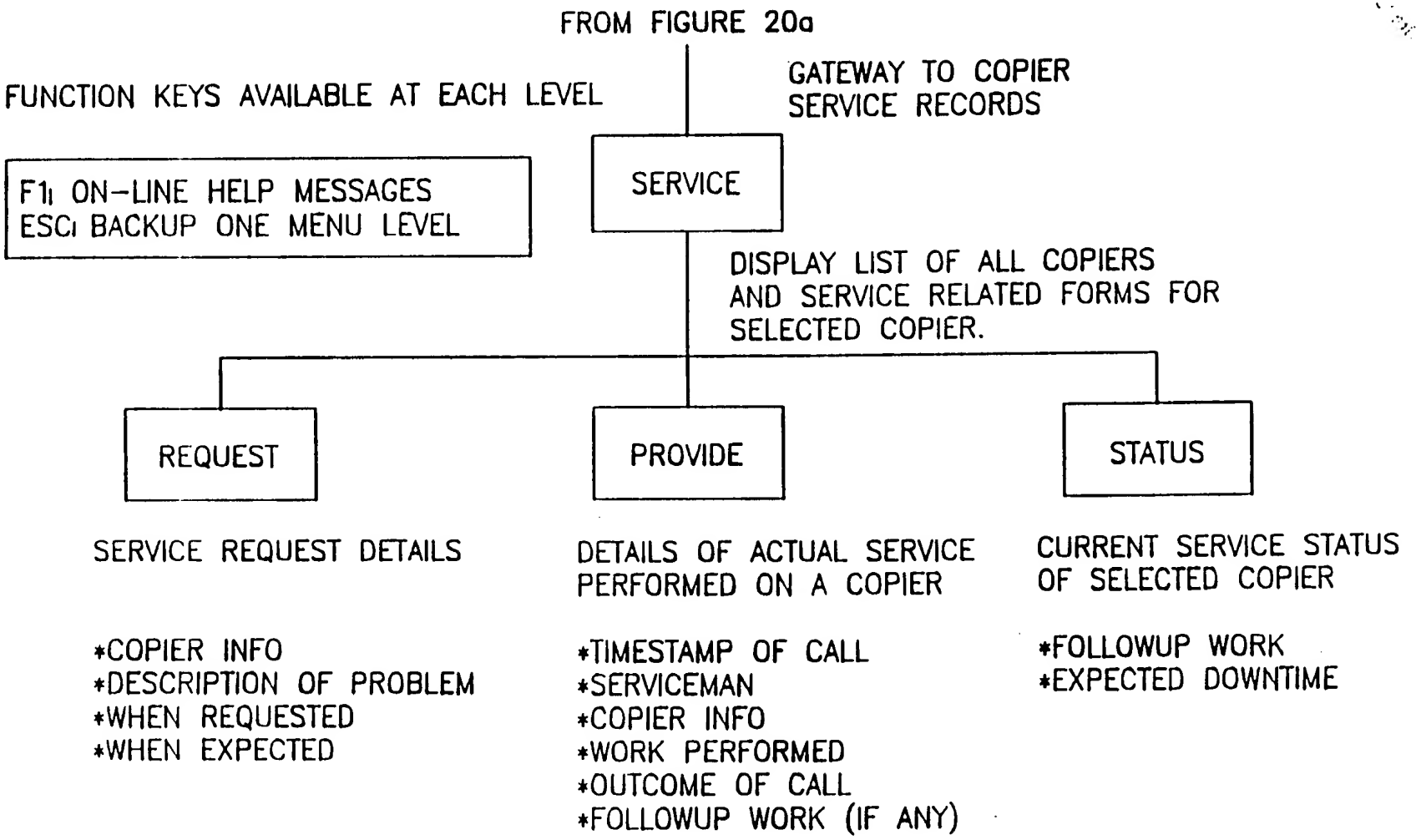

FROM FIGURE 20a
FUNCTION KEYS AVAILABLE AT EACH LEVEL
F1: ON-LINE HELP MESSAGES
ESC: BACKUP ONE MENU LEVEL
GATEWAY TO COPIER SERVICE RECORDS
SERVICE
DISPLAY LIST OF ALL COPIERS AND SERVICE RELATED FORMS FOR SELECTED COPIER.
REQUEST
PROVIDE
STATUS
SERVICE REQUEST DETAILS
*COPIER INFO
*DESCRIPTION OF PROBLEM
*WHEN REQUESTED
*WHEN EXPECTED
DETAILS OF ACTUAL SERVICE PERFORMED ON A COPIER
*TIMESTAMP OF CALL
*SERVICEMAN
*COPIER INFO
*WORK PERFORMED
*OUTCOME OF CALL
*FOLLOWUP WORK (IF ANY)
CURRENT SERVICE STATUS OF SELECTED COPIER
*FOLLOWUP WORK
*EXPECTED DOWNTIME

FIGURE 20d

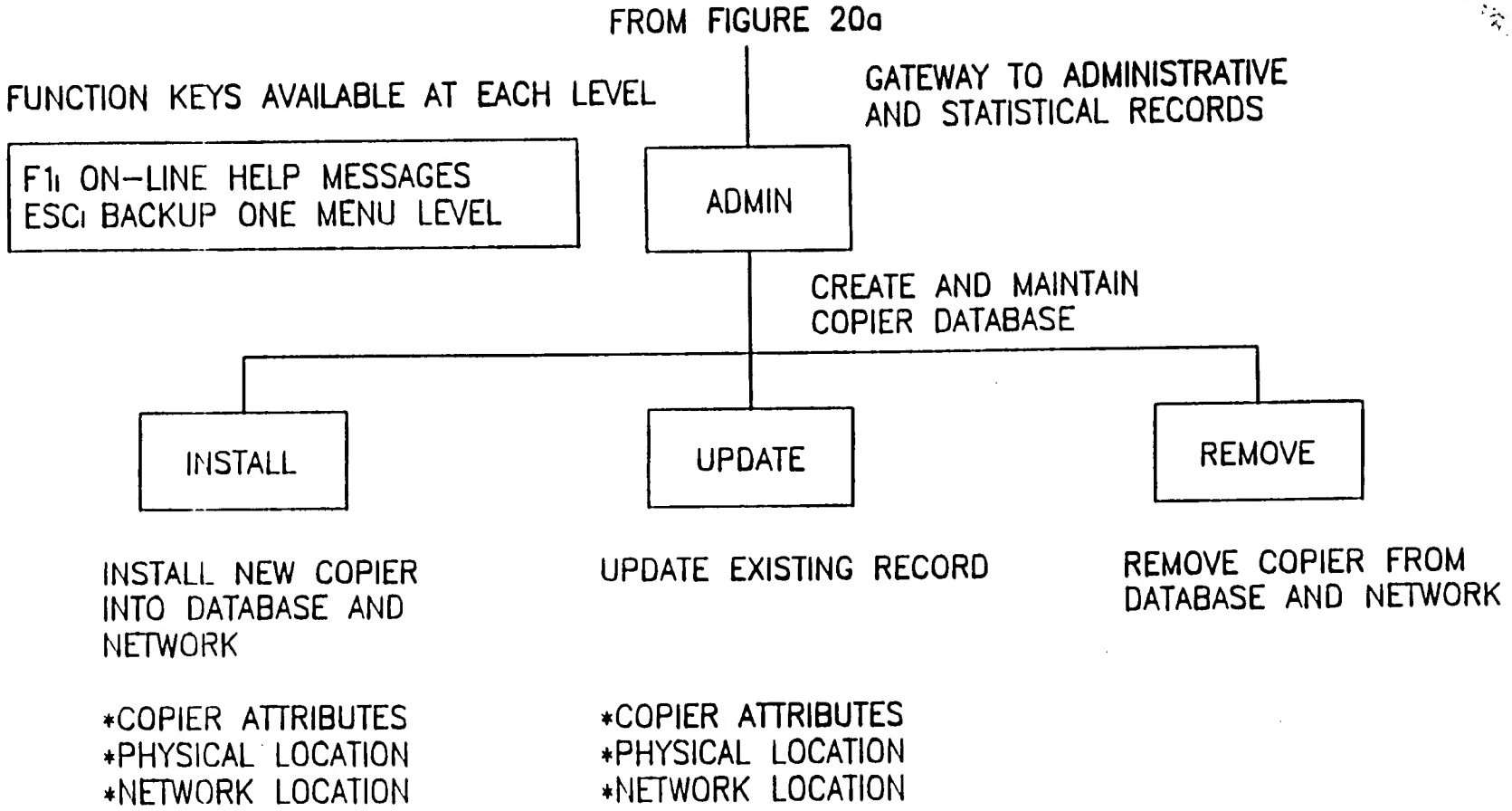

FROM FIGURE 20a
FUNCTION KEYS AVAILABLE AT EACH LEVEL
F1: ON-LINE HELP MESSAGES
ESC: BACKUP ONE MENU LEVEL
GATEWAY TO ADMINISTRATIVE AND STATISTICAL RECORDS
ADMIN
CREATE AND MAINTAIN COPIER DATABASE
INSTALL
UPDATE
REMOVE
INSTALL NEW COPIER INTO DATABASE AND NETWORK
*COPIER ATTRIBUTES
*PHYSICAL LOCATION
*NETWORK LOCATION
UPDATE EXISTING RECORD
*COPIER ATTRIBUTES
*PHYSICAL LOCATION
*NETWORK LOCATION
REMOVE COPIER FROM DATABASE AND NETWORK

FIGURE 20e

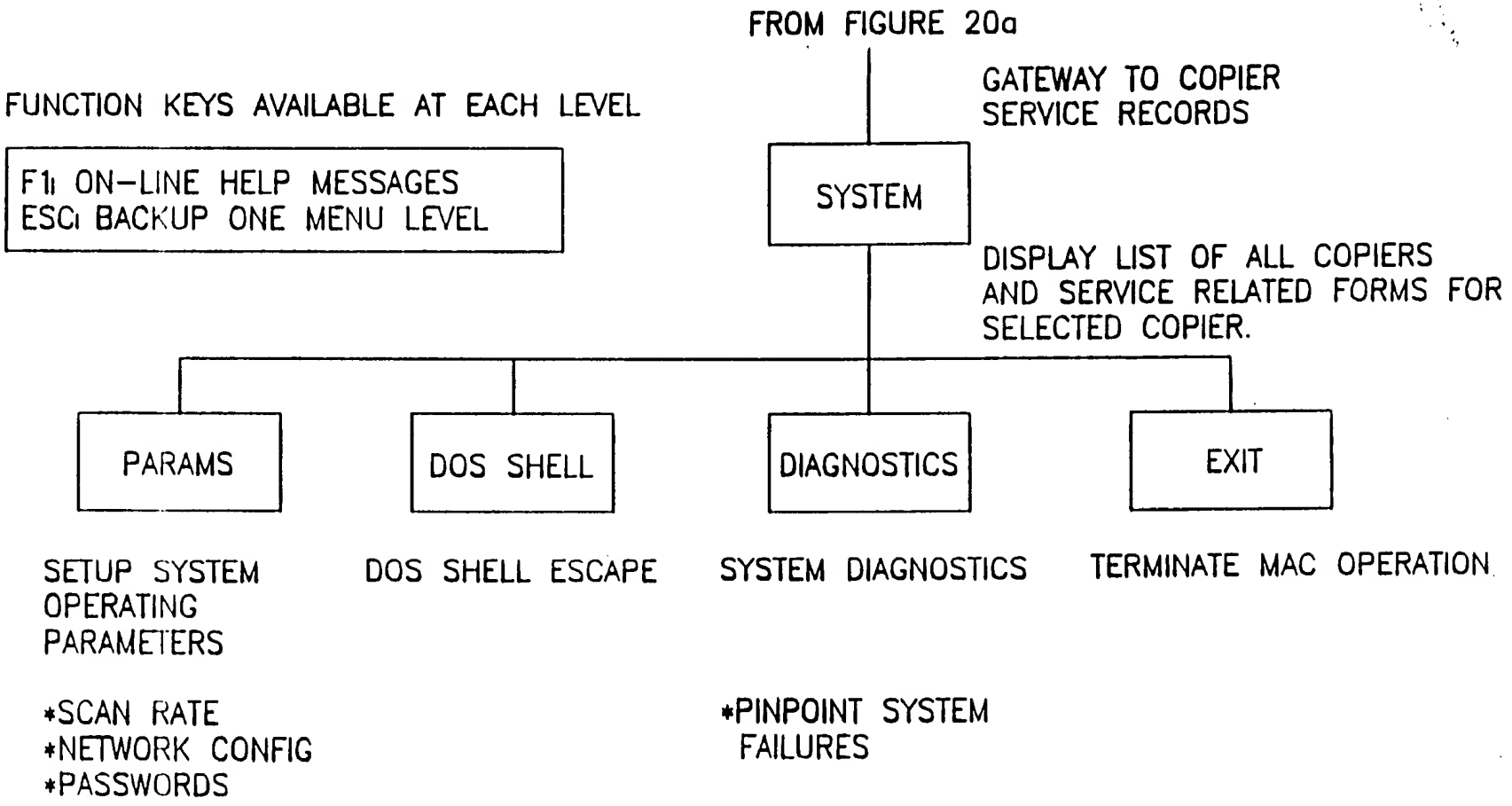

FROM FIGURE 20a
GATEWAY TO COPIER SERVICE RECORDS
FUNCTION KEYS AVAILABLE AT EACH LEVEL
F1: ON-LINE HELP MESSAGES
ESC: BACKUP ONE MENU LEVEL
SYSTEM
DISPLAY LIST OF ALL COPIERS AND SERVICE RELATED FORMS FOR SELECTED COPIER.
PARAMS
DOS SHELL
DIAGNOSTICS
EXIT
SETUP SYSTEM OPERATING PARAMETERS
*SCAN RATE
*NETWORK CONFIG
*PASSWORDS
DOS SHELL ESCAPE
SYSTEM DIAGNOSTICS
*PINPOINT SYSTEM FAILURES
TERMINATE MAC OPERATION

FIGURE 20f

T0600T'99020660

MONITOR

ID: 001
TYPES: X-1025
LOCATION: LAB
STATUS: OFFLINE

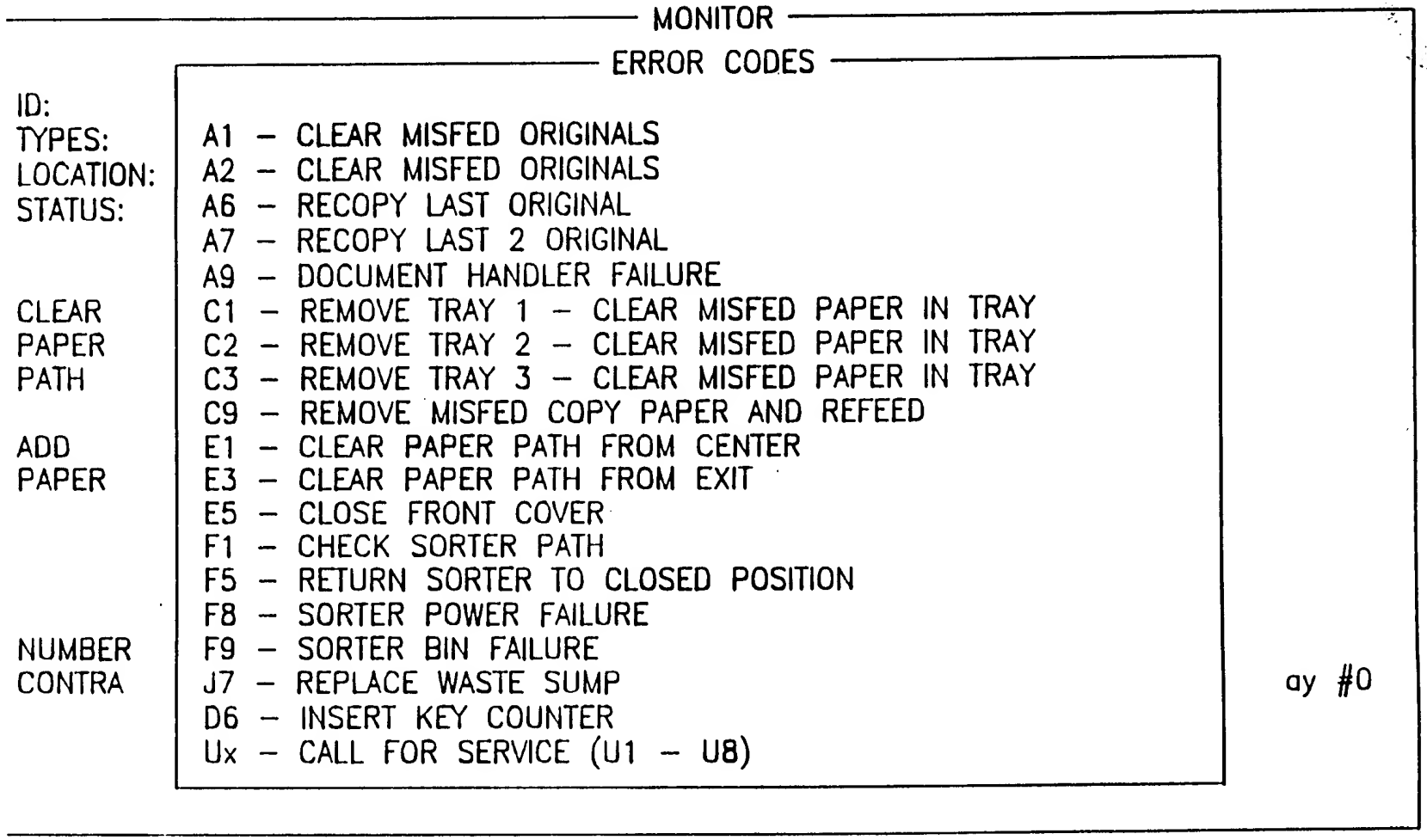
CLEAR PAPER PATH	ADD DRY INK	INSERT PAPER TRAY	PLEASE WAIT	CHECK PAPER SIZE
ADD PAPER	REPLACE SUMP	JOB INTERRUPT	READY TO COPY	CHECK SORTER

NUMBER TO COPY: 00
CONTRAST: NORMAL
ORIGINAL SIZE:
COPY PAPER SIZE: TRAY #0
PERCENT: 000

1-HELP ESC-EXIT MONITOR

SCREEN 6: MONITOR 1025 COPIER

FIGURE 21



SCREEN 7: ERROR CODES FOR 1025

FIGURE 22